## Lead Entity Ranking and Technical Panel Comments and Rating *Grays Harbor County LE*

	•		Grays F	Harbor County LE		
LE						
Ranking	Project #	#	Sponsor	Project Name	SRFB Request	Match Amount
1 of 15				Lewis County Habitat Assessment Phase 2	165,750	
	culverts will be association, Ch	targete hehalis	ed. The TAC is made up of representative	indexes on blockages. A Technical Advisory Committee es from WDFW, USF&W, DNR, IAC, Lewis County Publicounty as the Lead Entity. This grant will continue to fill in ave cost estimate designs completed.	c Works, a small fore	st landowners
	Salmon:	_	habitat plus high road densities, suggesti	· · · · · · · · · · · · · · · · · · ·		
	Success:		of habitat, and landowner willingness.	ation of last year's project. Prioritizing 50 to further addre		-
	_		To date, 238 barriers have been identified igh benefit to salmon.	d in the Skookumchuck, Newaukum, and SF Chehalis. 1	his will focus their ef	forts on potential
2 of 15	-	С	The Nature Conservancy	Darlin Creek Acquisition and Restoration	492,783	87,000
	Forest and the The objectives roads; and 3) r	Black are to: emove	River Unit of the Nisqually Wildlife Refuge 1) permanently protect 217 acres of high three culverts. Restores and protects natural processes wetlands and provides new access to 43	sin of the Chehalis watershed, a high priority sub-basin.  E. The area provides overwintering, spawning and rearing ly threatened riparian, wetland and floodplain habitat; 2)  for primarily Coho rearing habitat. Will acquire a total of acres. Road decommissioning will eliminate three culve of the properties. The large culvert blocking fish access vectivity.	g areas for coho salm decommission more 217 acres of which rts. Habitat is relativ	on and cutthroat. than one mile of 105 acres are ely intact. Timbel
	Certainty of I Success: Project Comm	High	Acquisition has a high certainty, and the	•		
3 of 15	02-1441	N	Mason Conservation Dist	Four Basin Fish Passage Assessment	340.000	85,517
	Passage barrie CD-ROM to all Benefit to Salmon: Certainty of Success:	ers on b interes High High	poth private and public lands will be identificated parties.  Smaller stream habitat is very important of these are higher priority sub-basins according to the stream habitat is very important of these are higher priority sub-basins according to the stream habitat is very important of	ording to their strategy, which is based upon fish use and grades), which is a greatly needed assessment.  of project.	will be distributed via	hard copy and or
4 of 15	02-1445 I	R	Dept of Fish & Wildlife	Satsop Floodplain Restoration	250.000	849,800
10110	<b>Description:</b> Tof constructed Migration Stud Restoration.	This pro dike ar y, Preli	oject consists of approximately 100 acres and approximately 2500 linear feet of riprap minary Restoration Plan and has recently	of Satsop River floodplain habitat that is negatively impaid oped riverbank. A local committee has worked with the Arbeen notified of the Corps approval to fund this project usecies, including two stocks that are depressed/critical (su	red by approximately rmy Corps to develo inder Section 206 Ec	v 5200 linear feet p a Channel cosystem
	Salmon:	Med	Dike removal is listed as optional, but it is	s vital for the restoration of natural processes. Proponen will be removed and that the ponds will be filled. Can't st	ts state that the goal	is floodplain
	Project Comm	nents:	WDFW will be responsible for project ma	aintenance (riparian).		
5 of 15	<b>Description:</b> T juvenile salmor be restored fro	nids ov m agrid	erwinter and bull trout, coho and chum sa	Centralia Riparian Restoration Project hore between Chehalis River mile 61 and 62. Within the almon, steelhead and cutthroat trout migrate. A riparian z e planting of 13,000 trees and shrubs of 13 species native om local stock.	one 200' broad and	one mile long will
	Benefit to I Salmon:	Med	This area was identified in the TMDL as oproblems and will add more wood. Multi-	one needing riparian restoration for water temperature is: -species area.	sues. It will also aid	in bank erosion
	Success:		Some general uncertainty associated with Contains a strong public education comp	h plantings near a large mainstem river.  ponent. There is potential for this project to be a showca:	se riparian restoratio	n project for the
	basin.					. •

6 of 15				
	fish habitat above th	e culvert barrier and flows into the	Wynoochee #4 Barrier Correction d on a tributary stream to the lower east bank of the Wynoochee Wynoochee River 400 feet below the barrier. Coho salmon and t for this culvert is a 15 ft. diameter round pipe. The round pipe is	cutthroat trout were observed below
	amount of fill (27 ft.)	from the road surface to the top of	the new pipe.	
	Benefit to <b>High</b> Salmon:		sho, and has a moderate PI (18). However, the PI was lowered b roject. It will open up about 3 miles of good habitat (riparian and this area.	
	Certainty of High Success:	Applicant has had previous succe	ess with culvert replacements.	
	Project Comments	:		
7 of 15	02-1448 N	Mason Conservation Dist	WRIA 22 Fish Passage Project Development	60,000 11,000
	matrix form that will Habitat Recovery Te approval. The MCD	create a top tier list of potential pas echnical and Community Advisory G	ssage Inventory and habitat survey to prioritize man-made fish p sage projects. These top tier projects will ultimately be reviewed groups. Landowners will be approached by the MCD to gain the inceptual engineered project designs for the top tier projects and	and ranked by the WRIA 22 Salmon ir support and preliminary project
	Benefit to Med Salmon:		ughout this basin. This is rated medium rather than high becaus verts that should be a higher priority, but are not in this area.	se it only includes the Mason County
	Certainty of Med Success:	Using established protocols. Cor designing a culvert that has a blo	ncern that downstream culverts (outside of Mason County) might ckage downstream.	not be identified in time to avoid
	Project Comments	:		
8 of 15	02-1449 R	Lewis County Public Works	Lucas Creek Barrier Removal	418,000 74,99
	82"x65" arch culvert anadromous fish an and streamside plar	with a slope of 4.1% is at Lucas Cr d a 100% barrier to juvenile upstrea htings are proposed to restore fish p	ributary to the Newaukum River. The Newaukum River flows int seek Road MP 5.173. This culvert poses a barrier under most flour migration. A new precast concrete, three sided bridge; design assage. Removal of the barrier will open up 2.8 miles of spawni include: coho, steelhead, resident and sea run cutthroat, and rai	ow conditions to migrating adult need streambed gravel; grade controls ing habitat and rearing habitat.
	Benefit to Med Salmon:	Has a PI of 19 and benefits prima	rily coho. A little over 2.8 miles of habitat will be opened.	
		Either a bridge or bottomless culv	rert would be used to replace current culvert on county road. Str	raightforward design.
	Project Comments	: Sponsor should look for ways to o	cut costs. Work with WDFW early in the design process.	
9 of 15	02-1450 R	Chehalis Basin FTF	Wynoochee #1 Barrier Removal	
9 of 15	Description: This p	roject addresses a barrier culvert or	the lower east bank of the Wynoochee River. This stream has	over 2.5 miles of fish habitat above the
9 of 15	<b>Description:</b> This p culvert barrier with a culvert is a 4 ft. dian	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, ele	n the lower east bank of the Wynoochee River. This stream has barrier. Coho salmon and cutthroat trout were observed below vated 14 inches at the outfall. It has a slope of over 1% and no state of the country of the	over 2.5 miles of fish habitat above the culvert barrier. The existing
9 of 15	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replace Benefit to Med	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, ele- cement for this culvert is a 15 ft. dia Has a medium PI value (13) and	n the lower east bank of the Wynoochee River. This stream has barrier. Coho salmon and cutthroat trout were observed below vated 14 inches at the outfall. It has a slope of over 1% and no smeter round pipe.  primarily benefits coho. This type of habitat is limiting in this are	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.
9 of 15	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replace Benefit to Med Salmon: Certainty of High	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, ele- cement for this culvert is a 15 ft. dia	n the lower east bank of the Wynoochee River. This stream has barrier. Coho salmon and cutthroat trout were observed below wated 14 inches at the outfall. It has a slope of over 1% and no smeter round pipe.  primarily benefits coho. This type of habitat is limiting in this are t will be opened.	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.
9 of 15	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replace Benefit to Med Salmon: Certainty of High Success:	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, ele- cement for this culvert is a 15 ft. dia Has a medium PI value (13) and survey. About 2.5 miles of habita	n the lower east bank of the Wynoochee River. This stream has barrier. Coho salmon and cutthroat trout were observed below vated 14 inches at the outfall. It has a slope of over 1% and no smeter round pipe.  primarily benefits coho. This type of habitat is limiting in this are it will be opened.  ess with culvert replacements.	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.
	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replace Benefit to Med Salmon: Certainty of High Success: Project Comments	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, electement for this culvert is a 15 ft. dia Has a medium PI value (13) and survey. About 2.5 miles of habita Applicant has had previous succes: Work with the WDFW early in the	n the lower east bank of the Wynoochee River. This stream has barrier. Coho salmon and cutthroat trout were observed below wated 14 inches at the outfall. It has a slope of over 1% and no smeter round pipe.  primarily benefits coho. This type of habitat is limiting in this are it will be opened.  ess with culvert replacements.  de design process.	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.
9 of 15	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replacement benefit to Med Salmon: Certainty of High Success: Project Comments	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, electement for this culvert is a 15 ft. dia Has a medium PI value (13) and survey. About 2.5 miles of habita Applicant has had previous succes: Work with the WDFW early in the	n the lower east bank of the Wynoochee River. This stream has barrier. Coho salmon and cutthroat trout were observed below wated 14 inches at the outfall. It has a slope of over 1% and no smeter round pipe.  primarily benefits coho. This type of habitat is limiting in this are it will be opened.  ess with culvert replacements.  e design process.  Waddell Creek Road Barrier Removal	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.  a. PI modified by 0.55 due to lack of 38,600 18,40
	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replacement to Med Salmon: Certainty of High Success: Project Comments  02-1438 R  Description: This p tributary to the Black with an 11' diameter	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, electement for this culvert is a 15 ft. dia Has a medium PI value (13) and survey. About 2.5 miles of habita Applicant has had previous succes: Work with the WDFW early in the Thurston County Roads/Trans roject proposes to replace an existing River in western Thurston County.	n the lower east bank of the Wynoochee River. This stream has barrier. Coho salmon and cutthroat trout were observed below wated 14 inches at the outfall. It has a slope of over 1% and no smeter round pipe.  primarily benefits coho. This type of habitat is limiting in this are it will be opened.  ess with culvert replacements.  de design process.	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.  a. PI modified by 0.55 due to lack of 38,600 18,400 ad over Pants Creek, a secondary ad by replacing the existing culvert
	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replacement to Med Salmon: Certainty of High Success: Project Comments  02-1438 R  Description: This p tributary to the Black with an 11' diameter	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, electement for this culvert is a 15 ft. dia Has a medium PI value (13) and survey. About 2.5 miles of habita Applicant has had previous succes: Work with the WDFW early in the Thurston County Roads/Trans roject proposes to replace an existing River in western Thurston County. It aluminized steel culvert countersures species and life stages.	In the lower east bank of the Wynoochee River. This stream has a barrier. Coho salmon and cutthroat trout were observed below wated 14 inches at the outfall. It has a slope of over 1% and no signeter round pipe.  It is a slope of over 1% and no signeter round pipe.  It is type of habitat is limiting in this are it will be opened.  It is sess with culvert replacements.  It is design process.  Waddell Creek Road Barrier Removal  Ing, perched 36" diameter concrete culvert on Waddell Creek Road.  The project will improve habitat for coho, cutthroat and steelhe	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.  a. PI modified by 0.55 due to lack of a secondary ad over Pants Creek, a secondary and by replacing the existing culvert characteristics and unimpeded
	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replacement of the proposed replac	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, electer to the concrete pipe, 145 ft long, electer ft long, el	he the lower east bank of the Wynoochee River. This stream has a barrier. Coho salmon and cutthroat trout were observed below wated 14 inches at the outfall. It has a slope of over 1% and no simeter round pipe.  primarily benefits coho. This type of habitat is limiting in this are it will be opened.  Personal transfer of the work of the wor	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.  a. PI modified by 0.55 due to lack of a secondary and over Pants Creek, a secondary and by replacing the existing culvert characteristics and unimpeded gests that this is a partial barrier and
	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replatement of the proposed replat	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, electement for this culvert is a 15 ft. dia. Has a medium PI value (13) and survey. About 2.5 miles of habita Applicant has had previous succes: Work with the WDFW early in the Thurston County Roads/Trans roject proposes to replace an existing River in western Thurston County. It aluminized steel culvert countersures species and life stages.  Has a PI of 14. The information swill primarily benefit Coho.  Information provided by the applice Barrier replacement is relatively significant for the survey of th	he the lower east bank of the Wynoochee River. This stream has a barrier. Coho salmon and cutthroat trout were observed below wated 14 inches at the outfall. It has a slope of over 1% and no simeter round pipe.  primarily benefits coho. This type of habitat is limiting in this are it will be opened.  Personal transfer of the work of the wor	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.  a. PI modified by 0.55 due to lack of a secondary and over Pants Creek, a secondary and by replacing the existing culvert characteristics and unimpeded gests that this is a partial barrier and would achieve its stated objectives.
	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replatement of the proposed replat	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, electement for this culvert is a 15 ft. dia. Has a medium PI value (13) and survey. About 2.5 miles of habita Applicant has had previous succes: Work with the WDFW early in the Thurston County Roads/Trans roject proposes to replace an existing River in western Thurston County. It aluminized steel culvert countersures species and life stages.  Has a PI of 14. The information swill primarily benefit Coho.  Information provided by the applice Barrier replacement is relatively significant for the survey of th	In the lower east bank of the Wynoochee River. This stream has a barrier. Coho salmon and cutthroat trout were observed below wated 14 inches at the outfall. It has a slope of over 1% and no smeter round pipe.  In primarily benefits coho. This type of habitat is limiting in this are it will be opened.  It	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.  a. PI modified by 0.55 due to lack of a secondary and over Pants Creek, a secondary and by replacing the existing culvert characteristics and unimpeded gests that this is a partial barrier and would achieve its stated objectives.
10 of 15	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replate Benefit to Med Salmon: Certainty of High Success: Project Comments  02-1438 R  Description: This p tributary to the Black with an 11' diameter passage for multiple Benefit to Med Salmon: Certainty of Med Success: Project Comments  02-1451 R  Description: This p culvert is a total bars second culvert is loce	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, electer control survey. About 2.5 miles of habita Applicant has had previous succes:  Work with the WDFW early in the Thurston County Roads/Trans roject proposes to replace an existing River in western Thurston County aluminized steel culvert countersures appecies and life stages.  Has a PI of 14. The information swill primarily benefit Coho.  Information provided by the applic Barrier replacement is relatively seed to the control of	In the lower east bank of the Wynoochee River. This stream has a barrier. Coho salmon and cutthroat trout were observed below wated 14 inches at the outfall. It has a slope of over 1% and no simeter round pipe.  primarily benefits coho. This type of habitat is limiting in this are it will be opened.  Personal transport of the work of the wo	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.  a. PI modified by 0.55 due to lack of a secondary ad over Pants Creek, a secondary ad by replacing the existing culvert characteristics and unimpeded gests that this is a partial barrier and would achieve its stated objectives.  assage criteria.  74,625 24,83 iles long and 4 feet in width. The first pipe, 40 ft. long, laid on 0% grade. Tiles at the culvert in the control of the control of the control of the control of the culture of
10 of 15	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replate Benefit to Med Salmon: Certainty of High Success: Project Comments  02-1438 R Description: This p tributary to the Black with an 11' diameter passage for multiple Benefit to Med Salmon: Certainty of Med Success: Project Comments  02-1451 R Description: This p culvert is a total barries second culvert is locabove the culvert, and Benefit to Med Salmon:	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, electement for this culvert is a 15 ft. dia. Has a medium PI value (13) and survey. About 2.5 miles of habita Applicant has had previous succes: Work with the WDFW early in the Thurston County Roads/Trans roject proposes to replace an existing River in western Thurston County. It is alwainized steel culvert countersures species and life stages. Has a PI of 14. The information swill primarily benefit Coho. Information provided by the application of the project addresses two fish barrier cultifier for juveniles and a partial barrier for juveniles and a partial barrier cultifier for juveniles and a p	the lower east bank of the Wynoochee River. This stream has barrier. Coho salmon and cutthroat trout were observed below vated 14 inches at the outfall. It has a slope of over 1% and no smeter round pipe.  primarily benefits coho. This type of habitat is limiting in this are it will be opened.  ess with culvert replacements.  de design process.  Waddell Creek Road Barrier Removal  ng, perched 36" diameter concrete culvert on Waddell Creek Ro.  The project will improve habitat for coho, cutthroat and steelhe nk 20% into the stream bed to provide more natural streambed of submitted by the applicant after the Lead Entity presentation suguent did not clearly describe how the project design or approach straightforward.  Seveloping preliminary design and consult with WDFW on fish particularly to the Wishkah River. The stream is 2.25 min for adults. It would be replaced with a 7" diameter steel round production of the project of	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.  a. PI modified by 0.55 due to lack of a secondary ad over Pants Creek, a secondary ad by replacing the existing culvert characteristics and unimpeded gests that this is a partial barrier and would achieve its stated objectives.  assage criteria.  74,625 24,83 iles long and 4 feet in width. The first pipe, 40 ft. long, laid on 0% grade. The ults reach this location but never model.
10 of 15	Description: This p culvert barrier with a culvert is a 4 ft. dian The proposed replate Benefit to Med Salmon: Certainty of High Success: Project Comments  02-1438 R Description: This p tributary to the Black with an 11' diameter passage for multiple Benefit to Med Salmon: Certainty of Med Success: Project Comments  02-1451 R Description: This p culvert is a total bars second culvert is locabove the culvert, and Benefit to Salmon: Certainty of Med Success:	roject addresses a barrier culvert or another ¾ miles of stream below the neter concrete pipe, 145 ft long, electer control ft long and survey. About 2.5 miles of habita Applicant has had previous succes:  Work with the WDFW early in the Thurston County Roads/Trans roject proposes to replace an existing aluminized steel culvert countersure especies and life stages.  Has a PI of 14. The information swill primarily benefit Coho.  Information provided by the application provided by th	the lower east bank of the Wynoochee River. This stream has barrier. Coho salmon and cutthroat trout were observed below vated 14 inches at the outfall. It has a slope of over 1% and no smeter round pipe.  primarily benefits coho. This type of habitat is limiting in this are it will be opened.  ess with culvert replacements.  de design process.  Waddell Creek Road Barrier Removal  ng, perched 36" diameter concrete culvert on Waddell Creek Ro.  The project will improve habitat for coho, cutthroat and steelhe nk 20% into the stream bed to provide more natural streambed of submitted by the applicant after the Lead Entity presentation suguent did not clearly describe how the project design or approach straightforward.  Seveloping preliminary design and consult with WDFW on fish particularly to the Wishkah River. The stream is 2.25 min for adults. It would be replaced with a 7" diameter steel round production of the project of	over 2.5 miles of fish habitat above the culvert barrier. The existing streambed materials within the pipe.  a. PI modified by 0.55 due to lack of all and over Pants Creek, a secondary and by replacing the existing culvert characteristics and unimpeded gests that this is a partial barrier and would achieve its stated objectives.  assage criteria.  74,625 24,83 files long and 4 feet in width. The first pipe, 40 ft. long, laid on 0% grade. The control of

12 of 15	02-1452	Α	Heernett Environmental Found	Cozy Valley Cr Acquisition & Restoration	210,400 60,7		
	Description	: This pr		Creek wetland floodplain, establish a 2000 foot long by 10	0 foot wide riparian zone, add instrea		
	diversity usin	ng LWD	and river rock, and place two properly	sized squash culverts in the access road replacing the exis	sting undersized round pipes. The		
	project also i	includes	a maintenance plan to address the cor	ntinued invasion of non-native Reed Canary grass.			
	Benefit to	Low	Single species benefit and acquisition	n of degraded habitat. Would prefer to see acquisition of go	ood habitat, unless a particular prope		
	Salmon:		has special features. One advantage	to the property is that it links better quality headwaters to	Scatter Creek.		
	Certainty of Success:		Streams have been ditched with little	ation. Priority restoration will be replacing blocking culverts substrate.	s and improving riparian. Will add LW		
	Project Con	nments:					
13 of 15	02-1453	R	Lewis County Public Works	Taylor Creek Barrier Removal	42,500 7,5		
			•	tary to the Newaukum River which flows into the Chehalis			
			·	r to migrating adult anadromous fish 90% of the time, and	<u> </u>		
		•	5 , 5	and streamside plantings are proposed to restore fish pass			
	below the tar	rget barr	rier include: coho, steelhead, resident a	and sea run cutthroat, and rainbow trout. This project will o	pen 3.9 miles of habitat.		
	Benefit to	Med	PLis about 22 opening 3.5 miles ben	efiting mostly Coho, and some steelhead and cutthroat in a	a high priority sub-basin. However, it		
	Salmon:	Wieu	only a partial barrier and that decreas	9 , ,	a riigii priority sab-basiii. Tiowever, it		
	Certainty of	Low	Using weirs to backwater and increas	se water depth in box culvert. Not a permanent solution.			
	Success:		Juvenile access during low flows may	· · · · · · · · · · · · · · · · · · ·			
	Project Con	nments:					
14 of 15	02-1454	R	Lewis County Public Works	Deep Creek Barrier Removal	435,700 100,0		
			•	ary to Bunker Creek and the Chehalis River near Adna, Wa			
	100 percent velocity barrier to juvenile and resident salmonids and a 50 percent velocity barrier to adult anadromous fish (Fishman Environmental, April						
	2001). The objective is to restore fish passage by removing the existing 12-ft diameter barrier culvert and replacing it with a precast concrete bridge that will						
	allow fish to migrate unimpeded. Removal of this barrier will open more than 12.4 miles of high quality spawning and rearing habitat. Steelhead, coho and						
	cutthroat trout are known to use the stream below the barrier.						
	Benefit to Salmon:	Low	Limited species and a PI to the next b	parrier would be fairly low, about 10. Habitat quality is timb	erlands and relatively good.		
	Certainty of	Med	Replacing culvert with bridge. Much	upstream and downstream channel needed.			
	Success:		1, 11 3 11 11 131				
	Project Comments: A downstream check was not conducted in conjunction with the upstream habitat assessment. It is possible that there are						
	undocument	ed barrie	ers downstream of the project site.				
15 of 15	02-1455	R	Lewis County Public Works	Berwick Creek Barrier Removal	188,400 47,0		
	Description	: Two re	trofit projects are proposed on the mair	n stem of Berwick Creek, which is a tributary to Dillenbaugl	h Creek which flows into the Chehalis		
			•	re at Logan Hill Rd and Pattee Rd respectively. Depth and	•		
	for migrating	adult ar	nd 100% barrier for juvenile and resider	nt fish. Removal of these barrier conditions will open 3.72	miles of spawning and rearing habitat		
	Salmonid sp	ecies do	cumented below the lower blockage si	te include: coho, steelhead, resident and sea run cutthroat	, and resident rainbow trout.		
	Benefit to	Med	Will open about 3.7 miles (large guan	tity) of habitat for coho, steelhead, and cutthroat. Has woo	od and cover. Lower Berwick is		
	Salmon:		degraded. Is a low priority watershed				
	Certainty of	Low	Would retrofit box culvert by installing	rock weirs. Not a permanent solution.			
	Success:						
	Project Con	nments:	Cost benefit ratio is lowbetter to rep	place culvert with a bridge.			

			nal Coor Council Inc	
LE Ranking	Project #	Sponsor	Project Name	SRFB Request Match Amount
1 of 19	02-1560 R	Skokomish Indian Tribe	Skokomish River Nalley Is Levee Removal	197,600 57,000
	Nalley Island. The pievidence suggest Escoho, winter steelhe. Benefit to High Salmon: Certainty of High Success: Project Comments:	roject will restore tidal enfluence to over 28 SA listed summer chum spawning may havad, fall and winter chum, pinks, sea run cul Provides over 285-acres of access to floo The proponent has a willing landowner. Trestore floodplain access. Phase II of proponent that the proponent is a willing landowner.	odplain and estuarine areas for multiple species.  The project includes funding for design and implementati oject.  et of dike, which will provide substantial benefits to the e	at are all found within this area. Historic ream. This project will also benefit on. This is a cooperative effort to
0 : ( 10			,	50,000
2 of 19	historical charts from completed. Analysis	the USCGS and contemporary habitat de	Historical & Contemp. Nearshore Habitats ng and prioritizing protection and restoration actions in the slineations. Comparative landscape and site-scale analystine human stressors that cause habitat change and natural actions for specific nearshore habitats.	ses of nearshore habitat change will be
	Benefit to <b>High</b> Salmon:	directly to projects through the incorporate	n and fills a data gap identified in the Hood Canal Strateg tion of the information into the Salmon Recovery Area.	
	Certainty of High Success:	. ,	d collects new data to identify critical estuarine and shore he final product should develop the confidence of local d	·
	processes that creat	ed historic conditions and use that underst	effort is not duplicative. They also need to ensure that the tanding to develop restoration projects. The assessment Assessment should assist in the development of tiered	t should include a conceptual model
3 of 19	02-1475 R	Hood Canal SEG	Shine Estuary Restoration	313,095 205,612
	Replacing these culv shoreline/tideland ar	verts with a bridge both removes a fish pas nd salt marsh provide 90 acres of pristine,	and construct an opening to allow unrestricted tidal and isage barrier to the 3300-acre watershed and restores 77 Tier 1 rearing habitat for chum, Chinook, coho salmon, so prime feeding grounds for all species of salmon smolts.	7 acres of estuary. The entire Shine
	Benefit to <b>Med</b> Salmon:	Benefits to salmonids are high in a Tier 4 acre estuary.	watershed. The proposal would provide unrestricted tic	dal and stream flow into the upper 77-
	Certainty of High Success:	The project proponent has a high level of restore opening to historic conditions.	f certainty to achieve full tidal flushing and restoring salt	marsh as a result. Applicant intends to
	-	<ul> <li>Applicant needs to develop a well-design nieve those objectives. The proponent has</li> </ul>	ned monitoring plan. Within the proposal, the proponent a 40% cost share.	identifies monitoring objects but did no
4 of 19	02-1482 C		Dosewallips Estuary Restoration Ph 1	165,017 31,000
	will targe publicly ow river. The project wil and estuarine marsh	rned lands held by State Parks and key prival include project identification, prioritization restoration.	restoration measures at the Dosewallips estuary in Brinn vately owned lands, which constitute most of the tidally-in , design, implementation, and monitoring measures. Ph	nfluenced environment of the lower ase 1 will include distributary slough
	Benefit to High Salmon: Certainty of Med	•	ed and has been identified in the Strategy as a high prior rently in question. Revegetation methods are based on e	•
	Success: Project Comments:	: The applicant should work closely with S	State Parks and other landowners to ensure restoration a	activities are supported.
5 of 19	02-1485 A	North Olympic Salmon Coalition	Chimacum Creek Estuary Riparian Acq	301.000 530.000
00110	<b>Description:</b> This promost undisturbed es bluff, adjacent estua	oject will acquire 15.3 acres of high quality tuary riparian areas within Hood Canal and ry wetlands and marine shoreline by protec	of forested riparian habitat in the Chimacum Creek Estuar d the Straits of Juan de Fuca and prevent incompatible d cting and preserving a significant block of steeply sloped arine headlands, platted at urban density, are rapidly dev	y. The project will protect one of the evelopment; degradation of coastal forested headlands. The adjacent
	Benefit to Low Salmon: Certainty of Med Success:	to salmon would be low and should be ac Certainty of success is based on the willi	ep banked uplands. Development potential is only on the ddressed through adherence to regulations. Ingness of the landowners and strong connectivity to other	
	Project Comments	: The project appears to have a high cost	per acre of habitat.	

6 of 19	02-1523 R	Hood Canal SEG Ghost Net Removal 95,000 25,000
	Hood Canal Brid	is project involves the removal of derelict gill nets from nine (9) different locations in Hood Canal from the mouth of the Skokomish to the dge. These nets are currently damaging the marine ecosystem and threatening salmon survival as documented by underwater video footage of net removals. The nets prioritized for removal are in locations known to be used by migrating salmon such as Dewatto Bay, Potlatch, and
	Benefit to <b>M</b> Salmon:	By removing the Ghost nets in the canal area, the project proponent will reduce fish mortality associated with these nets. However, it is not known exactly how significant this cause of mortality is.
	Certainty of His	igh Certainty of success is based on the project proponent's ability to locate and remove these nets.
	-	ents: Project proponent has developed a monitoring and evaluation plan plus a quick response plan. Project type is not identified within the is problem continue into the future, requiring additional funding?
7 of 19	02-1504 R	
	Redeveloping ar restoration, reco	his project will open the north channel of the river to salmon access through construction of 500 feet of new channel and removal of fill. Individual deepening the 400 feet channel from existing riverbed to old riverbed will establish the alternate flow route. In the second part of the salmont of an unnamed stream to the Duckabush system will be accomplished by installation of a 210' x 8' aluminum tube culvert. This e "hydrodynamic modeling" to determine the potential effects of altering the causeway openings.
	Salmon:	Benefits are limited due to the restrictions in place by Highway 101. Benefits are derived from opening up a new channel and possibly reducing the predation from seals.
	Success:	ed Concern over conceptual designs including the installation of an 8-foot culvert that is 210 feet long. Project does not commit to one of the two options.
	Project Comme	ents: The project design includes dredging out a new channel, which may quickly aggrade.
8 of 19	02-1525 C	Jefferson Land Trust Dosewallips R Riparian Acq/Restoration 47,400 47,00 arough acquisition of a conservation easement from a willing seller, Jefferson Land Trust will partner in the perpetual protection of over 400
	provide one step diversity, increas	of prime Dosewallips riparian and floodplain habitat. Restoration and replanting of a 50-100 foot riparian buffer zone on this property will be in the reestablishment of natural riverine functions for that section of the Dosewallips River. Once established, the restoration will add plan se wildlife habitat, and provide an additional natural source of large woody debris.
	Salmon:	<ul> <li>While conservation easements provide protection of riparian, benefits from this project will only be achieved once the area has been successfully reforested and the stream has been restored. Only 50% of the property is in the floodplain and the project size is quite small, 4-acres.</li> <li>Certainty of success is based on the willingness of the landowner to sell.</li> </ul>
	Project Comme	ents: Conservation easement needs to include acceptable land use practices consistent with protecting habitat.
9 of 19	02-1610 R	
	improved to incr	proximately 1300 feet of low-gradient channelized Chimacum Creek on three parcels of agricultural and school district properties will be ease channel complexity and provide wider floodplain margins. Creation of a 50-foot riparian buffer with large wood, conifers, and native note habitat diversity, and restore shade cover. The project will improve rearing and overwinter habitat for ESA listed summer chum, as well a and steelhead.
	Benefit to <b>M</b> Salmon:	Project would provide some improvement in the habitat along Chimacum Creek, a Tier 3 watershed with listed Summer Chum. This reach, however, is compromised by development, and restoration access is limited to one side of the stream.
	Certainty of Lo	The project does not address natural forming processes consistent with historic habitat conditions.
	_	ents: The applicant has a good history of completing beneficial projects with community support within the Chimacum basin. The ducation objectives are well intended and would be a positive activity for the school children.
10 of 19	02-1611 N	Northwest Watershed Institute Tarboo Bay Critical Habitat Assessment 61,800 30,00
	summer chum a and upslope are	ne purpose of this project is to develop a protection strategy for potentially one of the most important nearshore habitats for juvenile rearing of and Chinook salmon in Hood Canal, both listed under ESA. The four step process will: 1) identify critical estuarine and shoreline fish habitats as, 2) identify restoration opportunities based on a comparison of historic and existing conditions and changes in watershed function, 3) ders in designing an expanded nature reserve system, 4) prioritize individual parcels for protection and/or for restoration.
	Benefit to M Salmon:	Historical analysis of changes in fish use by species, habitat, and watershed processes will be used to identify primary limiting factors for juvenile salmonids in the estuary. The assessment will identify shoreline parcels that are a high priority for protection or restoration and have a direct link to the nearshore zone.
	Certainty of M Success:	The project will result in a strategic plan with project partners to expand the marine protected area in a cost effective and ecologically sound manner. The project proponent has a moderate certainty of achieving the project objectives, because of expertise in the local area, and a high level of local support.
ı	Project Comme	ents:

11 of 19	02-1546	R	County of Jefferson Little Oak Bay Restoration	250,000 1,000,000
1110110	Description: is proposing to hydraulically of	Jefferso o condu connect	on County, in partnership with the U.S. Army Corps of Engineers, Jamestown S'Klallam Tribe, and act the Little Oak Bay Lagoon Restoration Project, near Port Hadlock, WA. Historically, the project sed to Port Townsend Bay. The project will be implemented under the Continuing Authorities Progra	the Hood Canal Coordinating Council site was an intertidal (mudflat) area am, Section 1135 of the Water
	Resources De	evelopn	nent Act of 1986. The applicant is seeking the programs required 25% cost share with this request.	
	Benefit to Salmon:	Low	The historical impacts to the site seem significant, but benefits to salmonids are difficult to determ restoration plan. The magnitude of the problem (fish stranding) has not been quantified, and the canecdotal.	9
	Certainty of Success:	Low	Impacts associated with channel dredging compromise project benefits, and ability to achieve object longevity, i.e. will the channel maintain open passage into Oak Bay? Net shore drift in the the project.	
	Project Com	ments:	There appears to be many unknowns within the budget therefore the budget needs to be better d	lefined.
12 of 19	02-1548	R	Hood Canal SEG Upper Tahuya River Restoration Project	56,000 130,000
	partially block 12.5-foot X 5.	salmor 5-foot c	oject will replace two remaining fish passage barriers on the Tahuya River system in Hood Canal. En from over-winter and summer habitat. These projects now exist with undersized 18-inch & 24-inconcrete box culverts. Collectively, this project will open up over 1759 acres of watershed and 227 es of small streams to coho, steelhead and cutthroat.	ch culverts, and will be replaced by
	Benefit to Salmon:	Med	This is the last in a series of passage barriers to the wetland complexes. The habitat upstream of good condition. Benefit to salmonids is seasonal due to the subterranean base flow. The Lead E four priority actions within the watershed.	. ,
	Certainty of Success:	Med	The project would replace a culvert to provide upstream passage. Needs to work with WDFW on which is unclear from the application, and to reduce the total cost.	the design of the channel gradient
	Project Com	ments:		
13 of 19		R	Kitsap County Public Works Seabeck Creek Culvert Replacement	400,000 256,370
	Road. A 75-fo	ot spar are nov	oject will remove an existing 72-inch diameter reinforced concrete pipe and 5 grade control weirs at the by 40-foot wide pre-stressed concrete girder bridge will be installed allowing for natural transport on the very deposited above the culvert during high stream flows. Existing side bank rip-rap armament will be dequired.	of streambed gravels and woody
	Benefit to Salmon:	Low	Project provides passage for multiple species. It is located in a Tier 4 watershed. There are flow	issues within the watershed.
	Certainty of Success:		The sponsor has a good history of completing similar projects. Project may be cost prohibitive.	
	Project Com	ments:		
14 of 19	road through a roughened str	a 30-ind ream ch	Jefferson Co Public Works  W Leland Valley Rd Culvert Replacement oject is located on West Leland Valley Road, within the Little Quilcene River drainage. Currently, ar ch diameter culvert. This project will replace the existing culvert with a 48-foot, single span, pile sup- nannel will be reconstructed. The channel will meander around boulders and large woody debris. In the channel slope. The slopes will be re-vegetated to restore channel complexity.	pported bridge. A 10-foot wide
	Salmon: Certainty of	Low	Benefit to salmonids is low due to the project location. Project is located in a Tier 5 area (a tributa and only opens up ½ mile of tributary habitat.  The proponent is proposing to replace a culvert with a bridge when the need is for grade control with a bridge when the need is fo	
	Success: Project Com	ments:	downstream of the crossing.  Project is located within a steep channel. Applicant should seek design assistance from WDFW to	for grade control assistance.
45 -f 40	02-1558	<u> </u>	WE Charie County Dublic Worden	400,000
15 of 19	Description: complete barr with a 12 x 7 f	ier to co	Kitsap County Public Works  WF Stavis Creek Culvert Replacement  oject entails the replacement of an existing corrugated metal pipe (CMP) culvert under Seabeck-Ho  oho salmon and trout and limits access upstream to significant channel and wetland habitat. The e  tomless concrete box with natural channel material placed within it at the existing natural channel g  a Tier III drainage.	existing 36 inch culvert will be replaced
	Benefit to Salmon: Certainty of Success:	Low	Project is located in a low priority area and only will benefit one species. Tier 4 watershed and the in this watershed.  Project appears to be cost prohibitive.	e project is the 4th of 5 priority actions
		ments:	It is unclear why the costs of this project increased 70% since 1999 when it was last proposed for	funding?
16 of 19		R This ha	Hood Canal SEG  North Shore Habitat Restoration  rrier removal project entails replacing two of the last significant fish passage barriers occurring on t	80,000 163,676
	the Union River 24 inch culver	er. Bot ts on M	the reflected project entails repracting two or the last significant his it passage barriers occurring on the culverts, Cady Creek and McElhaney Creek are undersized and represent partial barriers to migr locilhaney Creek will be replaced with an 8 X 5.5 foot culvert while a 24 inch culvert on Cady Creek will also require 5 log weir installations downstream for property and volume control.	rating salmon. A combination of 18 and
	Benefit to Salmon:	Low	Projects are not located in priority areas (Tier 4). These projects will benefit multiple species. Cu barriers.	lverts have relatively low Pl's. Partial
		Med	The applicant has a good history of completing similar projects in the area. Involving WDFW engit will improve likelihood of achieving project objectives.	ineering staff for technical assistance
	Project Com	ments:		

17 of 19	02-1613	R	Port Gamble S'Klallam Tribe	West Kitsap Riparian Restoration	68.000 17.000
	along riparian control strate Team will ass	n corrido gies, an	rs. The project will under-plant conifers in	d stands with conifer seedlings on public and private land i 30 acres of alder-dominated riparian forest, evaluate a ra r conservation groups including Seabeck-Alki Salmon Tea ce activities.	nge of planting densities, brush
	Benefit to Salmon:	Low	Benefit is low because the proposal sele	ected low priority watersheds, and would only treat 1.2 mile	PS.
	Certainty of Success:	Med	Although the methods are proven, the si to meet objectives.	te locations and sequence of implementation are unclear.	It may be difficult for the proponent
	_		The proponent should consider focusing n development.	more intensive work in one or two watersheds. This is a	ong-term project that is beneficial for
18 of 19	02-1575	N	Hood Canal SEG	Marine Corridor Identification	140,000 210,000
	geographical	distribu	tion of habitat types. Migration patterns of	apped by underwater side-scan technology. Acoustic cabl r acoustically-tagged juvenile Chinook salmon will be moni hore, development, estuaries and other obstacles.	•
	Benefit to Salmon:	Low		almon. The project proponent proposes to study hatchery an wild fish, thus data gained from the study may not be u	
	Certainty of Success:	Low	Uncertainty exists with usefulness of dat	a on hatchery fish, and its applicability to wild salmonids.	
		is uncle	, ,	o meaningful results. There are concerns over the method leographic scale, which may skew information away from s	
19 of 19	02-1615	N	North Olympic Salmon Coalition	Macroinvertebrate Assessment Chimacum Cr	60,000 20,000
	B-IBI will be u	used in a unty Co	2 ways: 1) Assess how the biology is resp	of Biological Integrity) by examining macro-invertebrate or conding to each type of restoration project within the basin, ests to highlight troubled stream reaches. Upon completio	2) The results can be integrated wit
	Benefit to Salmon:	Low	Project is located in a Tier 3 watershed.	Benefits to salmonids will be difficult to determine due to	the lack of baseline information.
	Certainty of Success:	Low	macroinvertebrates. However, they will	ty to determine presence and absence and possible popul not be able to correlate this data with restoration activities r reaches will continue to impact the benthic communities	that have previously occurred in the
	Project Com	ments:			

				County Lead Entity		
LE Ranking	Projec		Sponsor	Project Name	SRFB Request	Match Amount
1 of 3	02-1460	С	Dept of Fish & Wildlife	English Boom-Leque Island Acq & Res.	370,000	, ,
	encompasse estuary habit	s the En at in the	glish Boom/Leque Island complex and c Stillaguamish River estuary. Acquisition	on 135 acres of dikes, tidal slough, salt marsh and freshwa continues the efforts of the WDFW and the Nature Consent in and restoration of tidal slough/floodplain habitat is identifite earshore project in the Island County Recovery Strategy.	ancy to acquire and	restore critical
	Benefit to Salmon:	High	This acquisition and restoration project and address a limiting factor of estuaring	t in a Tier I and II area under the Island County strategy wone rearing habitat for chinook.	ould benefit multiple s	almon species
	Certainty of Success:	Med	are not completely certain. The approximate that have been successful of	upon addressing both the Spartina infestation on the adjac ach for the Spartina control, however, seems to be appropi elsewhere. The dike removal, which is necessary to fully a to complete engineering and design work and to implement	riate relying on a com ccount for the proces	bination of
	Project Com	ments:				
2 of 3	02-1578	Α	Friends of Camano Island Parks	Kristoferson Creek Beaver Marsh	110,444	25,373
	salmon recover Benefit to Salmon:  Certainty of Success:	Low	production potential. The restoration we the lack of fish presence within the production of the properties to salmon dependent of the property. The accessible water wetland) on the project area is su	I species (Coho) in a lower priority Tier III area under the Is work in the lower reach of Beaver Creek increases the pote posed conservation easement area limits the benefits to so and in part on further restoration work in the creek and water illity and quality of habitat (primarily water temperature with uspect. Protecting a sensitive beaver marsh that helps mark at the mouth to improve passage helps to increase the content of the province	ential benefit of this up almon. Inshed as well as a pl Kristofferson Lake up Intain downstream w	ostream reach but an for the upland pstream and oper ater quality and
	Project Com	iments:				
3 of 3	bulkhead to i improvement	mprove s. This v	tidal flushing; 2. Design and install one owill include removing fill and regrading the	Maylor's Marsh Nearshore Restoration restore Oak Harbor's southeastern shoreline: 1. Remove a or more pilot 'forage fish spawning habitat' sites in order to be beach to increase intertidal area with a more natural pro and salmon, as well as sediment stability by geologists.	maximize nearshore	eet of failed habitat
	Benefit to Salmon:	Low		riority area of the Island County strategy; however, the dire een significantly altered and has minimal habitat area for s enefit.		
	Certainty of Success:	Low	The feasibility of restoration success at exists about the degree to which forage	nd achieving significant benefits to salmon has a low certa e fish would utilize the area.	inty. A good deal of	uncertainty also
	Project Com	ments:				

			King C	County LE WRIA 8		
LE Ranking	Project :	#	Sponsor	Project Name	SRFB Request	Match Amount
l of 5	02-1622	Α	King Co Water & Land Res	Issaquah Cr Log Cabin Reach Acquisition	708,671	995,925
	wetlands and a water refugia f	a riparia or juve	an corridor along 1-1/4 miles. The reach p	cres) along Issaquah Creek in the Middle Issaquah C provides excellent rearing and spawning habitat included ody debris and a diverse and sinuous riparian corrido okanee, steelhead and cutthroat.	ling braided channels ar	nd pools with high
	Benefit to Salmon:	High		ty stream system with multiple salmon species, althou within the basin exists to connect with this acquisition		
	Certainty of Success:	High	Acquisition has a high probability of protrelated to flow and sedimentation.	ecting this important site, but some dependence on ac	ddressing development	issues upstream
	Project Comn	nents:				
2 of 5	<b>Description:</b> Cedar Rapids on the 1/2 mile	reach. e reach	The project will acquire ~5 acres to provious. The objective is to restore channel comp	Cedar Rapids Floodplain this combination project will acquire additional land and de adequate space for overbank flows and off channe plexity and facilitate formation of off channel habitat, b inook as well as coho, sockeye, steelhead, and cutthresses.	I habitat, and develop a oth are limiting factors of	design for the restoration plan
	Benefit to Salmon:	Med	connectivity for the mainstem Cedar Riv	and restoration design project is to address the major er. The project will have secondary benefits that addr ion will include 2100 lineal feet of levee removal and c anks.	ess the limiting factor of	off-channel
	Certainty of Success:	High	There is a high degree of confidence the factors within this core production area.	e applicant can achieve the acquisition and restoration	design to address the r	major limiting
	Project Comn	nents:				
3 of 5	Description: The project will of stream away debris, and pla	ll provio y from	de spawning and rearing habitat for chino a roadway, restoring 5 acres and creating 30,000 native plants.  The project is located in a core production	Cedar/Taylor Creek Acq & Restoration floodplain functions on three parcels along Taylor Cre ok, coho, sockeye, steelhead, and cutthroat trout. Pro g 3 acres of floodplain wetlands and off-channel habita on area of the watershed and addresses some of the r th many impacts from upstream limits potential benefit	ject elements include: reat, placing 175 pieces of relevant watershed proc	er Cedar River. elocating 800 feet large woody esses, but the
	Certainty of Success:	Med	floodplain.	ook, which is the reason it's considered a core produc m in an urbanized area reduces the certainty of achie away from the road.	·	
	Project Comn	nents:				
4 of 5	Description: 1 future salmon opportunities for side channel a Benefit to Salmon: Certainty of Success:	and will for pres areas, la Low Low	dlife habitat enhancement. Located on the ervation of the substantial undeveloped Sacking in Sammamish River.  Limited potential for use by salmon in snand diked stream and not a high priority	Sammamish Valley "Redmond 74" Acq by 20 acres of open space on the floor of the Sammam ne east bank of the Sammamish River, near river mile sammamish Valley open space within the City. The sit nall stream, primarily a migratory corridor in the Sammarea for lead entity strategy. In potential and significant future restoration work woul	10, this is one of the last e offers opportunities to namish River, significant	servation and st remaining restore shallow
	Project Comn	nents:				
5 of 5	Description: 1 the prioritizatio creat a WRIA 8	on of fis 8 Fish	th passage barriers on streams in WRIA 8 Passage Inventory Database. GPS data v	WRIA 8 Fish Passage Inventory  ntory of fish passage structures and assess habitat in  3. The assessment will incorporate data from previous will be collected and used to generate GIS maps show  r structures will be identified and inventoried.	fish passage inventorie	ndex numbers for s with new data to
	Benefit to Salmon:	Low Med	New fish blockages identified will likely be Fish passage would undoubtedly be impimplementing projects in the future and f	be higher in the watershed and likely in lower priority a proved with inventory work, but working with small prive for achieving significant benefits for salmon recovery is beyond what King Co. DOT had already done.	ate landowners lowers t	•
	Project Comn	nents:	migrici priority projects would be idefittile	a boyond what rang oo. bo't had alleady dolle.		

			ounty LE WRIA 9	rating	
		Tang C	Juney EL With 5		
LE Ranking	Project #	Sponsor	Project Name	SRFB Request	Match Amount
1 of 5	300,000				
	02-1532 N Description: This p		Habitat Inventory & Utilization inventory of the lower sub-watersheds and a targeted sa		
		· · · · · · · · · · · · · · · · · · ·	tabase of habitat conditions and fish utilization and 2) sci		
			. Juvenile salmon habitat use and survival data can be us	sed to increase the	effectiveness of
	Benefit to <b>Med</b>	esigns and target preservation actions.  This project fills data gaps that have been	n identified as a priority in their strategy. The project wou	ld collect and make	available
	Salmon:	information that is crucial to understanding	g rearing habitat conditions in the lower watersheds. The e proposal, however, is lacking enough detail regarding of	project may also le	ad to improved
	Certainty of Med Success:		habitat to fish use. It needs to identify and prioritize rest a steering committee comprised of local agency experts		
	Project Comments much of the project a		Restoration and protection activities may be cost prohibition	itive due to the level	of urbanization in
2 of 5	02-1601 A	City of Kent	Lower Green River Acquisition	975,085	
	project will: 1) protect properly functioning	ct a large open space property located insid salmonid habitat in a portion of the watersh hin this reach of the river.	ver Green River property that totals 36.7 acres and 0.92 le a long meander bend of the Lower Green River, 2) pre led that currently lacks such features, and 3) increase hauding bull trout, Chinook, chum and Coho, however, rest	serve the future opposite to serve the future opposite the future	oortunity to restore nong habitat
	Salmon:	possible in this highly urbanized area, due publicly owned parcels, with this connecti	e to diking, bank armoring and channel entrenchment. Tivity comes additional project benefits.	he project area is ac	djacent to other
	Certainty of Med Success:	restoration. Restoration may include esta medium certainty of achieving the stated	ank full state. Project objectives are to purchase the pro ablishing off channel habitat and developing refugia for no objectives due to the lack of a restoration plan. If a plan rns over channel entrenchment, which may preclude ove	ative species. This place then the	oroject has a se degree of
			ped. Natural stream processes must not be restricted to	protect the nursery.	There are
3 of 5	02-1588 A		Kanaskat - Phase 3	596.190	105,210
	Description: The pupremier chinook spa	urpose of this proposal is to protect 48 acres wning and rearing habitat, expand the ecolo	s with 3,800 feet of river frontage on the Green River. Progical influence of previous acquisitions and create a crit tant habitat features for salmon, facilitate future fish habit	eserving these parce ical link between lar	els would: protect geblocks of public
	Benefit to <b>Med</b> Salmon:		uding Chinook, chum, Coho and steelhead. It is a conting abut previously purchased conservation parcels. Reside priority for protection within the Strategy.		
	Certainty of High Success:		it is unclear if the project proponent has willing landowned several other successful purchases in this reach recent		ary to meet the
		<ul> <li>Significant spawning occurs within this re rograph should be undertaken, in order to n</li> </ul>	each of the Green River. All project parcels are within the naximize benefits from this project.	e historic floodplain.	Managing for a
4 of 5	02-1600 A		Newaukum Creek Threatened Best Places	267,100	
	restoration project.	These properties, which total 19.43 acres, a	els along Newaukum Creek (tributary to Green River) as a are currently for sale. Preserving these parcels would pro- llow the creek to function more naturally, free from devel	otect the best chinoc	ok spawning and
	Benefit to Med Salmon: C	contiguous parcels as one proposal, sepa	merous species it appears that this project should be two arate from the Walker parcel. It appears that the first thre at and the high channel complexity. The canyon area is c	ee would be quite be	neficial to native
	Success: C	achieve its objectives.	ot the current landowners are actually willing sellers, whi		. ,
			dded as an after thought. It does not have the same hat ears limited given increased land use in the area.	oitat characteristics a	as the three other
	CONDITION: The rating is condition	onal based on the applicant's willingness to	delete the Walker parcel.		
			alker property from the proposed properties for acquisition of County is now requesting a \$267,100 SRFB grant and	-	

5 of 5	02-1549	N	Mid-Puget Sound Fish Enh Grp	WRIA 9 Fish Passage Inventory	203,800	36,000		
	Description:	This pr	oject will complete a stream-based invento	bry of fish passage structures (with associated habitat ass	sessment) in order to ob-	tain priority		
	index numbe	rs for th	e prioritization of fish passage barriers with	nin 10 prioritized basins in WRIA 9. GPS data will be colle	ected and used to genera	ate GIS maps		
	showing site	location	s and barrier status of culverts. This project	ct will build upon existing passage barrier inventories in V	VRIA 9. Private culverts	will primarily		
	be targeted, l	but all o	ther structures will be identified and invent	oried.				
	Benefit to	Med	Benefit to salmon only will be achieved w	hen the barriers are removed.				
	Salmon:							
	Certainty of	Med	Emphasis is on how the information will be	Emphasis is on how the information will be utilized and developed into a prioritized list of projects.				
	Success:							
	Project Com	ments:	There are concerns that a barrier assess	ment and culvert removal will not benefit the top species	in the Lead Entity strate	gy.		

		Kitsa	p County Lead Entity	
LE Ranking	Project #	Sponsor	Project Name	SRFB Request Match Amount
1 of 13	02-1592 A	Great Peninsula Conservancy	Curley Creek Estuary Acquisition	294,500 52,000
	-		estuary, by acquiring the lands (20 acres) that comp	
			ley/Salmonberry Creek system, one of the largest w	
		ok, cono, chum, steelnead and cutthroa It on its shoreline or slopes.	at. Its estuary is currently in a relatively natural state	and in good condition, without any armoring or
	Benefit to <b>Hig</b> l	· ·	abitat for multiple species, but the much of the shore	reline should be protected both through
	Salmon:	regulations and the natural high slo		cline should be protested both through
	Certainty of Med	d There is a constriction and fill at the	e mouth, downstream from the acquisition and it is u	unknown if it limits flushing.
	Success:			
	Project Comment	ts:		
2 of 13	02-1551 R	Kitsap County Public Works	Carpenter Creek/Appletree Creek Restore	618,905 1,609,493
			ingston Rd. 6-foot wide box culvert culvert with a 70-	• • • • •
		=	rt prevents adequate flow between the salt marsh ar	The state of the s
		arge, deep scour noies at both ends of a I tidal flow to approximately 26.2 acres	the culvert, trapping juvenile salmonids at low tide,	where they become easy prey. The project will
	Benefit to <b>Hig</b> l		chum and coho. Full restoration of natural process	ses Addresses key habitat Restores function to
	Salmon:		antity of habitat. Chinook use the estuarine area dire	•
			•	
	Certainty of Med	d Replacement of culvert with bridge	. There is a concern whether this is a sufficiently size	zed bridge.
	Success:	ts: Has a high match with ACOE mon		
	l roject commen	is. This a high match with ACCE mon	ey.	
3 of 13	02-1556 R	Mid-Puget Sound Fish Enh Grp	Barker Creek Estuary Culvert Replacement	417,000 83,000
	-		estalled in 1939 at the estuary. The proposed alumin	<del>_</del>
		ause velocity barriers for juveniles; and and rearing habitats of Coho, Chum, (	d the low flows which limit the natural process for ide Cutthroat, and Steelhead	eal fish habitat at all stages. Barker Creek
	Benefit to Med		lockage in watershed and is near mouth. This is a p	partial harrier dependent on tides Partial
	Salmon:		f natural processes. Will benefit passage for limited	
			al ecosystem benefits. Will restore about 1.5 to 2 a	
		watershed.		
	Certainty of Med	They are replacing with a larger cult	lvert and not a bridge. Will result in about 80 feet of	f fill remaining in area that will reduce the certaint
	Success:	of estuarine restoration.		
	Project Comment	ts:		
4 of 13	02-1567 R	Kitsap County Public Works	Chico Creek Bridge Installation	1,629,786 307,059
	-		culverts with a bridge, remove the log weirs, establi	
		*	anced with native conifer tree species and shrub veg eander and stabilize bed material. This project will re	
			16 miles of habitat in the upper watershed.	ootoro productivo opanimig nastiai, provide ingli
	_		assage to a high quantity of habitat upstream. This i	
	Salmon:	•	he applicant believes the upstream habitat is good. ostream and scour downstream). The replacement	·
			improve floodplain conditions and divert stream from	•
		Entity's number 1 action item for Cl	·	, , , , , , , , , , , , , , , , , , , ,
	Certainty of Med	d High certainty for the barrier correc	ction. This project is rated as medium due to concep	otual design and the general uncertainty of the
	Success:	excavation and new floodplain form		Studi design and the general uncertainty of the
		·	al assistance on design. Monitoring plan is overly ex	xtensive Recommend channel monitoring only
			ar accretance on accretin memoring plan is every or	tonorio ricooninona onamio mormo mig omy.
5 of 13	02-1542 R	Port of Bremerton	Sinclair Inlet Estuary Restoration Ph 2	550,817 335,000
			uarine conditions to benefit salmon along the shorel	
	_		of the fill material from the Port of Bremerton proper	
	I -		e cleanup of 1160 feet of the existing shoreline, resto	ores 620+ feet of shoreline, and creates 1.7 acres
	of additional estua	ry. I ogether, these projects will restore	e 1,820 feet of shoreline and 4.2 acres of estuary.	
	Benefit to Low	Multi-enecies use partial restaration	on of natural processes. Will restore about 2.5 acres	s of actuaring habitat (a relatively small amount)
	Salmon:		on of natural processes. Will restore about 2.5 acreser urban impacts that limit processes and habitat.	on coluanne nabitat (a relatively offidit afficulti).
				er plan to restore estuarine habitat in Sinclair Inlet
	Certainty of Mac	1 Some deneral lincertainty accordan		
	Certainty of Med Success:	,	•	•
	Success:	,	nit success. Phase 1 work funded last grant round h	•

6 of 13						
	02-1597	C	Mid-Puget Sound Fish Enh Grp	Grovers Creek Restoration	164,501	48,280
				acres of land bordering Grovers Creek. The project ifers (primarily Sitka spruce, red cedar, and western		
				ek has one of the largest adult coho escapements or		-
			_ ·	nook to East Kitsap every year. This project is a cor		
	-	-	iller Bay Citizens Action Group, and			
	1			·		
	Benefit to	Med	Mostly benefits chum, coho, and lir	mited steelhead in this Tier 2 watershed. Coho are	non-native or mixed origin, with cor	nsiderable
	Salmon:		hatchery production. Channel leng	yth is 2000'.	-	
	Certainty of	Med	The road acts as a dike. Property	appears to be degraded. Has road/dike, riparian im	pacts. Will need restoration.	
	Success:					
	Project Con	nments	: County has beaver dam removal p	policy. This will protect a beaver dam.		
7 of 13	02-1565	R	Kitsap County Public Works	Harper Estuary Restoration	286,012	837,389
01 10			<u> </u>	a 60 foot bridge and removal or breaching of the old		
	-			be removed and the launch will be reconfigured to		
	1 '			factory will be removed. Harper Creek is salmon-be	<u> </u>	
	estuary.	.с аа.г.р		Table 1, 1111 20 to 110 to all 11	oannig min oncononi naznat anat ar	
	Benefit to	Low		quantity (4.5-acres estuarine and 2.2 freshwater we	The state of the s	
	Salmon:			tal blockage shortly upstream. The road breaching		nsidered
			optional. Partial restoration of natu	ural processes. Fish use is low in Harper Creek, a	Her 5 watersned.	
	0		Allborous body Control of the Plate to the		Const.	
	Certainty of Success:	Low	Although this first step is likely to b	e beneficial, the next two steps are needed for signi	iticant success.	
	Project Con	nments	:			
3 of 13	02-1587	C	Illahee Community Club	Illahee Estuary Acquisition/Restoration	587,928	135,000
				of wetlands, estuarine shoreline, tidelands, and the		•
			<del>-</del>	area for juvenile salmonid rearing, particularly for c		
	citizens grou	ıp will pa	artner with watershed recovery group	s, including People for Puget Sound, Mid-Sound Fis	sheries Enhancement Group, the S	Suquamish trib
	IZ:4 T					
	and Kitsap i	rees to	preserve and restore the natural wet	land/estuarine ecological condition.		
	and Kitsap I	rees to	preserve and restore the natural wet	land/estuarine ecological condition.		
	Benefit to	rees to	•	land/estuarine ecological condition.  t will have a multi-species benefit, but a low quantity	v of habitat (4.9-acres).	
	Benefit to Salmon:	Low	The acquisition of estuarine habita	t will have a multi-species benefit, but a low quantity	v of habitat (4.9-acres).	
	Benefit to Salmon: Certainty of		•	t will have a multi-species benefit, but a low quantity	v of habitat (4.9-acres).	
	Benefit to Salmon: Certainty of Success:	Low Med	The acquisition of estuarine habitated Mostly in good condition, riprap in a	t will have a multi-species benefit, but a low quantity one area.	v of habitat (4.9-acres).	
	Benefit to Salmon: Certainty of Success:	Low Med	The acquisition of estuarine habita	t will have a multi-species benefit, but a low quantity one area.	of habitat (4.9-acres).	
9 of 13	Benefit to Salmon: Certainty of Success:	Low Med	The acquisition of estuarine habitated Mostly in good condition, riprap in a	t will have a multi-species benefit, but a low quantity one area.	y of habitat (4.9-acres).	34,686
9 of 13	Benefit to Salmon: Certainty of Success: Project Con  02-1590 Description	Low Med nments R : This p	The acquisition of estuarine habitated Mostly in good condition, riprap in a condition of the cost effective in the cost effective i	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Ba	y. The first barrier, small twin culve	erts under a
9 of 13	Benefit to Salmon: Certainty of Success: Project Con  02-1590 Description private driver	Low Med nments R : This prway will	The acquisition of estuarine habitate.  Mostly in good condition, riprap in a condition of the content of the c	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Bael bridge. The second barrier, a culvert under a Cou	y. The first barrier, small twin culve inty Road (160th) shared by Pierce	erts under a and Kitsap
9 of 13	Benefit to Salmon: Certainty of Success: Project Con  02-1590 Description private driver Counties, wil	Low Med mments R : This propagation of the propagat	The acquisition of estuarine habitated Mostly in good condition, riprap in a condition of the content of the co	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Ba	y. The first barrier, small twin culve inty Road (160th) shared by Pierce	erts under a and Kitsap
9 of 13	Benefit to Salmon: Certainty of Success: Project Con  02-1590 Description private driver	Low Med mments R : This propagation of the propagat	The acquisition of estuarine habitated Mostly in good condition, riprap in a condition of the content of the co	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Bael bridge. The second barrier, a culvert under a Cou	y. The first barrier, small twin culve inty Road (160th) shared by Pierce	erts under a and Kitsap
9 of 13	Benefit to Salmon: Certainty of Success: Project Con  02-1590 Description private driver Counties, wil	Low Med mments R : This propagation of the propagat	The acquisition of estuarine habitated Mostly in good condition, riprap in the control of the cost of	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Bael bridge. The second barrier, a culvert under a Cou	196,551 ny. The first barrier, small twin culve unty Road (160th) shared by Pierce te the presence of chum, coho, stee	erts under a and Kitsap elhead, and
9 of 13	Benefit to Salmon: Certainty of Success: Project Con  02-1590 Description private driver Counties, wil cutthroat in F	Low  Med  mments  R : This proposed way will libe reported by the control of the	The acquisition of estuarine habitated Mostly in good condition, riprap in the control of the cost effective in the cost effective i	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Ba el bridge. The second barrier, a culvert under a Cou. Habitat Limiting Factors Report and SASSI indicated	ny. The first barrier, small twin culve unty Road (160th) shared by Pierce te the presence of chum, coho, steel the contract to the next barrier.	erts under a and Kitsap elhead, and e next barrier
9 of 13	Benefit to Salmon: Certainty of Success: Project Com  02-1590 Description private driver Counties, wil cutthroat in F	Low  Med  mments  R : This proposed way will libe reported by the control of the	The acquisition of estuarine habitated Mostly in good condition, riprap in the control of the cost effective in the cost effective i	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Bael bridge. The second barrier, a culvert under a Cou. Habitat Limiting Factors Report and SASSI indicat ow in a Tier 4 watershed. It will open up about 1 mil	ny. The first barrier, small twin culve unty Road (160th) shared by Pierce te the presence of chum, coho, steel the contract to the next barrier.	erts under a and Kitsap elhead, and e next barrier
9 of 13	Benefit to Salmon: Certainty of Success: Project Com  02-1590 Description private driver Counties, wil cutthroat in F	Low  Med  ments  R : This p way will ll be rep Purdy C  Low	The acquisition of estuarine habitated Mostly in good condition, riprap in the control of the cost effective in the cost effective i	Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Bael bridge. The second barrier, a culvert under a Cou. Habitat Limiting Factors Report and SASSI indications in a Tier 4 watershed. It will open up about 1 miles a country more significant barrier is 1.5 miles from projections.	ny. The first barrier, small twin culve unty Road (160th) shared by Pierce te the presence of chum, coho, steel the contract to the next barrier.	erts under a and Kitsap elhead, and e next barrier
9 of 13	Benefit to Salmon: Certainty of Success: Project Con  02-1590  Description private driver Counties, will cutthroat in F Benefit to Salmon:  Certainty of Success:	Low Med nments R : This pr way will li be rep Purdy C Low Med	The acquisition of estuarine habita' Mostly in good condition, riprap in a condition in the cost effective.  Pierce Co Conservation Distroject will remove two barriers to fish be replaced with a prefabricated steplaced with an aluminum arch culvertureek.  The benefit of this project is fairly to seems like to be an easy fix, but an Quality of habitat isn't great. Some	Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Bael bridge. The second barrier, a culvert under a Cou. Habitat Limiting Factors Report and SASSI indications in a Tier 4 watershed. It will open up about 1 miles a country more significant barrier is 1.5 miles from projections.	ny. The first barrier, small twin culve unty Road (160th) shared by Pierce te the presence of chum, coho, steel the contract to the next barrier.	erts under a and Kitsap elhead, and e next barrier
9 of 13	Benefit to Salmon: Certainty of Success: Project Con  02-1590 Description private driver Counties, wil cutthroat in F Benefit to Salmon: Certainty of	Low Med nments R : This pr way will li be rep Purdy C Low Med	The acquisition of estuarine habita' Mostly in good condition, riprap in a condition in the cost effective in	Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Bael bridge. The second barrier, a culvert under a Cou. Habitat Limiting Factors Report and SASSI indications in a Tier 4 watershed. It will open up about 1 miles a country more significant barrier is 1.5 miles from projections.	196,551  ay. The first barrier, small twin culve inty Road (160th) shared by Pierce te the presence of chum, coho, steel the presence of chum,	erts under a and Kitsap elhead, and e next barrier
	Benefit to Salmon: Certainty of Success: Project Con  02-1590  Description private driver Counties, wil cutthroat in F Benefit to Salmon: Certainty of Success: Project Con	Low Med nments R : This pr way will li be rep Purdy C Low Med	The acquisition of estuarine habitar Mostly in good condition, riprap in a condition of estuarine habitar Mostly in good condition, riprap in a condition of estuaring the condition of	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Bael bridge. The second barrier, a culvert under a Cou. Habitat Limiting Factors Report and SASSI indicate ow in a Tier 4 watershed. It will open up about 1 mil nother more significant barrier is 1.5 miles from project channelization and pastureland.	196,551 ay. The first barrier, small twin culve unty Road (160th) shared by Pierce te the presence of chum, coho, stee the of habitat to the next barrier. The ect. At most, will benefit coho and	erts under a and Kitsap elhead, and e next barrier possibly chum
9 of 13	Benefit to Salmon: Certainty of Success: Project Con Description private driver Counties, will cutthroat in F Benefit to Salmon: Certainty of Success: Project Con 02-1593	Low Med nments R : This property way will libe rep Purdy C Low Med nments	The acquisition of estuarine habitar Mostly in good condition, riprap in a condition of the cost effective.  Pierce Co Conservation Dist roject will remove two barriers to fish be replaced with a prefabricated steplaced with an aluminum arch culvertureek.  The benefit of this project is fairly to seems like to be an easy fix, but an Quality of habitat isn't great. Some	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Bael bridge. The second barrier, a culvert under a Cou. Habitat Limiting Factors Report and SASSI indicate ow in a Tier 4 watershed. It will open up about 1 mil nother more significant barrier is 1.5 miles from project e channelization and pastureland.	196,551  Interpretation of the presence of the	erts under a and Kitsap elhead, and e next barrier possibly chum
	Benefit to Salmon: Certainty of Success: Project Con Description private driver Counties, will cutthroat in F Benefit to Salmon: Certainty of Success: Project Con Description Description Description Description	Low Med nments R : This pr way will Il be rep Purdy C Low Med nments A : This pr	The acquisition of estuarine habitar Mostly in good condition, riprap in or Does not seem to be cost effective  Pierce Co Conservation Dist roject will remove two barriers to fish be replaced with a prefabricated ste slaced with an aluminum arch culvert. The benefit of this project is fairly to seems like to be an easy fix, but ar  Quality of habitat isn't great. Some	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Ballel bridge. The second barrier, a culvert under a Coulon. Habitat Limiting Factors Report and SASSI indicators with a Tier 4 watershed. It will open up about 1 millinother more significant barrier is 1.5 miles from project channelization and pastureland.  Illahee Watershed Acquisition Project veloped forest land for the preservation of watershed.	196,551  Inty. The first barrier, small twin culve unty Road (160th) shared by Pierce te the presence of chum, coho, steed the of habitat to the next barrier. The ect. At most, will benefit coho and 947,155  d hydrological functions. The water.	erts under a and Kitsap elhead, and elhead, and enext barrier possibly chum  861,050 shed includes
	Benefit to Salmon: Certainty of Success: Project Con  02-1590  Description private driver Counties, wil cutthroat in F Benefit to Salmon: Certainty of Success: Project Con  02-1593  Description mainstem Illa	Low Med nments R : This property of the content of	The acquisition of estuarine habitar Mostly in good condition, riprap in one in the control of t	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Ballel bridge. The second barrier, a culvert under a Coul. Habitat Limiting Factors Report and SASSI indicated by in a Tier 4 watershed. It will open up about 1 millinother more significant barrier is 1.5 miles from project e channelization and pastureland.  Illahee Watershed Acquisition Project veloped forest land for the preservation of watershed aries (~ 2 miles of stream channel) old growth trees	196,551  by. The first barrier, small twin culve the presence of chum, coho, stee the presence of chum, coho, stee the of habitat to the next barrier. The ect. At most, will benefit coho and 947,155  d hydrological functions. The water up to 700 years and four species or	erts under a and Kitsap elhead, and elhead, and elhead enext barrier possibly chum 861,056 shed includes f Salmon. The
	Benefit to Salmon: Certainty of Success: Project Con  02-1590  Description private drivet Counties, wil cutthroat in F Benefit to Salmon: Certainty of Success: Project Con  02-1593  Description mainstem Illa property con	Low  Med  This p  Way will  Il be rep  Purdy C  Low  Med  This p  A  This p	The acquisition of estuarine habitar  Mostly in good condition, riprap in of the control of the cost effective of the cost will remove two barriers to fish be replaced with a prefabricated steplaced with an aluminum arch culvertureek.  The benefit of this project is fairly to seems like to be an easy fix, but are quality of habitat isn't great. Some the cost of th	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Ballel bridge. The second barrier, a culvert under a Coulon. Habitat Limiting Factors Report and SASSI indicators with a Tier 4 watershed. It will open up about 1 millinother more significant barrier is 1.5 miles from project channelization and pastureland.  Illahee Watershed Acquisition Project veloped forest land for the preservation of watershed.	196,551  Interpretation of the presence of chum, coho, steed the of habitat to the next barrier. The ect. At most, will benefit coho and the presence of	erts under a and Kitsap elhead, and elhead, and elhead enext barrier possibly chum 861,050 shed includes f Salmon. The
	Benefit to Salmon: Certainty of Success: Project Con  02-1590  Description private drivet Counties, wil cutthroat in F Benefit to Salmon: Certainty of Success: Project Con  02-1593  Description mainstem Illa property con	Low  Med  This p  Way will  Il be rep  Purdy C  Low  Med  This p  A  This p	The acquisition of estuarine habitar  Mostly in good condition, riprap in of the control of the cost effective of the cost will remove two barriers to fish be replaced with a prefabricated steplaced with an aluminum arch culvertureek.  The benefit of this project is fairly to seems like to be an easy fix, but are quality of habitat isn't great. Some the cost of th	Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Ba el bridge. The second barrier, a culvert under a Cou . Habitat Limiting Factors Report and SASSI indicat  bow in a Tier 4 watershed. It will open up about 1 mil nother more significant barrier is 1.5 miles from proje e channelization and pastureland.  Illahee Watershed Acquisition Project veloped forest land for the preservation of watershed aries (~ 2 miles of stream channel) old growth trees nearly the entire Illahee Creek watersheds and sub-	196,551  Interpretation of the presence of chum, coho, steed the of habitat to the next barrier. The ect. At most, will benefit coho and the presence of	erts under a and Kitsap elhead, and elhead, and elhead enext barrier possibly chum 861,056 shed includes f Salmon. The
	Benefit to Salmon: Certainty of Success: Project Con  02-1590  Description private driver Counties, wil cutthroat in F Benefit to Salmon: Certainty of Success: Project Con  02-1593  Description mainstem Illa property con chum, Steelh	R: This provided the content of the	The acquisition of estuarine habitar Mostly in good condition, riprap in or Does not seem to be cost effective.  Pierce Co Conservation Dist roject will remove two barriers to fish be replaced with a prefabricated sterolaced with an aluminum arch culvertureek.  The benefit of this project is fairly to seems like to be an easy fix, but an Quality of habitat isn't great. Some with the County Parks and Rec roject will acquire 289 acres of undevice and two salmonid bearing tributations 350 acres of DNR land, comprising discutthroat as well as critical contributions.	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Ballel bridge. The second barrier, a culvert under a Coulous Habitat Limiting Factors Report and SASSI indicated on in a Tier 4 watershed. It will open up about 1 mile of the more significant barrier is 1.5 miles from project and channelization and pastureland.  Illahee Watershed Acquisition Project veloped forest land for the preservation of watershed aries (~ 2 miles of stream channel) old growth trees nearly the entire Illahee Creek watersheds and substition to downstream estuarine habitat for multiple specific properties.	196,551  ay. The first barrier, small twin culve unty Road (160th) shared by Pierce te the presence of chum, coho, stee the of habitat to the next barrier. The ect. At most, will benefit coho and 947,155  d hydrological functions. The water up to 700 years and four species of watersheds. It is a nodal corridor species.	erts under a and Kitsap elhead, and elhead, and elhead, and elhead elhead, elhead elhe
	Benefit to Salmon: Certainty of Success: Project Con  02-1590  Description private driver Counties, wil cutthroat in F Benefit to Salmon: Certainty of Success: Project Con  02-1593  Description mainstem Illa property con chum, Steelf	Low  Med  This p  Way will  Il be rep  Purdy C  Low  Med  This p  A  This p	The acquisition of estuarine habitar Mostly in good condition, riprap in or Does not seem to be cost effective  Pierce Co Conservation Dist roject will remove two barriers to fish be replaced with a prefabricated steplaced with an aluminum arch culvert. The benefit of this project is fairly lose seems like to be an easy fix, but are Quality of habitat isn't great. Some  Kitsap County Parks and Rec roject will acquire 289 acres of undevek and two salmonid bearing tributate as 350 acres of DNR land, comprising discutthroat as well as critical contribution.	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Balle bridge. The second barrier, a culvert under a Coul. Habitat Limiting Factors Report and SASSI indicated on the indicated of the second barrier is 1.5 miles from project of the country of the channelization and pastureland.  Illahee Watershed Acquisition Project preloped forest land for the preservation of watershed aries (~ 2 miles of stream channel) old growth trees the inearly the entire Illahee Creek watersheds and substition to downstream estuarine habitat for multiple spectocks (chum and coho) and lower level of overall fisstocks (chum and coho) and lower level of overall fisstocks (chum and coho) and lower level of overall fisstocks (chum and coho)	196,551  ay. The first barrier, small twin culve unty Road (160th) shared by Pierce te the presence of chum, coho, stee the of habitat to the next barrier. The ect. At most, will benefit coho and 947,155  d hydrological functions. The water up to 700 years and four species of watersheds. It is a nodal corridor species.	erts under a and Kitsap elhead, and elhead, and elhead, and element barrier possibly chum 861,056 shed includes f Salmon. The for Coho,
	Benefit to Salmon: Certainty of Success: Project Con  02-1590  Description private driver Counties, wil cutthroat in F Benefit to Salmon: Certainty of Success: Project Con  02-1593  Description mainstem Illa property con chum, Steelh  Benefit to Salmon:	Low Med nments R : This property C Low Med nments A : This property C Low Med nments A : This property C Med nments A : This property C Med nments	The acquisition of estuarine habitar Mostly in good condition, riprap in or the control of the c	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Ballel bridge. The second barrier, a culvert under a Coul. Habitat Limiting Factors Report and SASSI indicated by in a Tier 4 watershed. It will open up about 1 millinother more significant barrier is 1.5 miles from project or channelization and pastureland.  Illahee Watershed Acquisition Project project or comparison of watershed aries (~ 2 miles of stream channel) old growth trees in early the entire Illahee Creek watersheds and substition to downstream estuarine habitat for multiple spectocks (chum and coho) and lower level of overall fister 4 watershed.	196,551  ay. The first barrier, small twin culve inty Road (160th) shared by Pierce te the presence of chum, coho, stee the of habitat to the next barrier. The ect. At most, will benefit coho and 947,155  d hydrological functions. The water up to 700 years and four species or watersheds. It is a nodal corridor species.	erts under a and Kitsap elhead, and elhead, and elhead, and elhead elhead, elhead elhe
	Benefit to Salmon: Certainty of Success: Project Con  02-1590  Description private driver Counties, wil cutthroat in F Benefit to Salmon: Certainty of Success: Project Con  02-1593  Description mainstem Illa property con chum, Steelf	R: This provided the content of the	The acquisition of estuarine habitar Mostly in good condition, riprap in or the control of the c	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Balle bridge. The second barrier, a culvert under a Coul. Habitat Limiting Factors Report and SASSI indicated on the indicated of the second barrier is 1.5 miles from project of the country of the channelization and pastureland.  Illahee Watershed Acquisition Project preloped forest land for the preservation of watershed aries (~ 2 miles of stream channel) old growth trees the inearly the entire Illahee Creek watersheds and substition to downstream estuarine habitat for multiple spectocks (chum and coho) and lower level of overall fisstocks (chum and coho) and lower level of overall fisstocks (chum and coho) and lower level of overall fisstocks (chum and coho)	196,551  ay. The first barrier, small twin culve inty Road (160th) shared by Pierce te the presence of chum, coho, stee the of habitat to the next barrier. The ect. At most, will benefit coho and 947,155  d hydrological functions. The water up to 700 years and four species or watersheds. It is a nodal corridor species.	erts under a and Kitsap elhead, and elhead, and elhead, and elhead elhead, elhead elhe
	Benefit to Salmon: Certainty of Success: Project Con  02-1590 Description private driver Counties, wil cutthroat in F Benefit to Salmon: Certainty of Success: Project Con  02-1593 Description mainstem Illa property con chum, Steelf Benefit to Salmon: Certainty of Success:	Low  Med  This property C  Low  Med  This property C  Low  Med  Med  Med	The acquisition of estuarine habitar Mostly in good condition, riprap in or the control of the c	t will have a multi-species benefit, but a low quantity one area.  Purdy Creek Fish Passage Restoration passage in Purdy Creek, tributary to Henderson Balle bridge. The second barrier, a culvert under a Coul. Habitat Limiting Factors Report and SASSI indicated on the properties of the second barrier is 1.5 miles from project of the country of the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the project of the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old growth trees the preservation of watershed aries (~2 miles of stream channel) old	196,551  ay. The first barrier, small twin culve inty Road (160th) shared by Pierce te the presence of chum, coho, stee the of habitat to the next barrier. The ect. At most, will benefit coho and 947,155  d hydrological functions. The water up to 700 years and four species or watersheds. It is a nodal corridor species.	erts under a and Kitsap elhead, and e next barrier possibly chun  861,05 shed includes f Salmon. The for Coho,

11 of 13	02-1655	R	Pierce Co Conservation Dist	Dutcher Creek Fish Passage Restoration	275,196 48,5
	complete bar	rier to s	oject corrects two fish passage bar almon under Lackey Road will be re	riers in Dutcher Creek. A fish ladder will be improved to meet eplaced. The project will install a 100 foot long, 14 foot diamet th root wads and four logs) will be placed in the stream to help	er aluminum pipe culvert. Additionally
	Benefit to Salmon:	Med	. ,,	coho and chum. However, the length of habitat to be opened of larger upstream of 3450 meters. Is a low priority Tier 4 was	•
	Certainty of Success:	Low	concerns rose about efficacy of do standards? (EDF, pool volume) V feet + culvert slope). Looks like a	the dam and must maintain a fish ladder. Will probably requiresign, i.e. is formal concrete fishway needed? Does it meet on the control of the problem of th	urrent standards? Will it meet current m? No culvert info. Width? Outfall (2-How? May affect culvert design.
	Project Com	ments:			
	02-1534	N	County of Kitsap	E. Kitsap Shoreline Habitat Inventory	220,603 38,9
12 of 13	Description: eelgrass, ripa	This pr rian co	oject will use the Tidal Habitat Mod ndition, forage-fish spawning habita	lel to document presence of salmon habitat quality indicators, at, overwater structures, shoreline armoring, exposure, substra	ite, etc. on 145 miles of East Kitsap C
12 of 13	Description: eelgrass, ripa shorelines. T	This pr irian co his data onids w Med	oject will use the Tidal Habitat Mod ndition, forage-fish spawning habita a will be used to establish a modelii lill be documented. The information Addresses the most important hal However, they are using data alre strategy improvements.  Not clear how this will lead to proj	at, overwater structures, shoreline armoring, exposure, substrang approach to ID and prioritize conservation/restoration opportuill be synthesized into a GIS database.  bitat in their area. Ties in with refugia study that looked at free eady available and may not add much new information. The filects. Among the objectives is to provide planners with unders es through time, a historical analysis of the project area is nee	te, etc. on 145 miles of East Kitsap Contunities. Additionally, use patterns of the chwater and estuarine conditions. The chwater and estuarine would help developing of regional changes during
12 of 13	Description: eelgrass, ripa shorelines. T juvenile salm Benefit to Salmon: Certainty of	This printer control of the control	oject will use the Tidal Habitat Mod ndition, forage-fish spawning habita a will be used to establish a modelii lill be documented. The information Addresses the most important hal However, they are using data alre strategy improvements.  Not clear how this will lead to proj recent decades. To relate change analysis isn't clearly mentioned in	at, overwater structures, shoreline armoring, exposure, substrang approach to ID and prioritize conservation/restoration opportuill be synthesized into a GIS database.  bitat in their area. Ties in with refugia study that looked at free eady available and may not add much new information. The filects. Among the objectives is to provide planners with unders es through time, a historical analysis of the project area is nee	te, etc. on 145 miles of East Kitsap Contunities. Additionally, use patterns of the chwater and estuarine conditions. The chwater and estuarine would help developing of regional changes during
	Description: eelgrass, ripa shorelines. T juvenile salm Benefit to Salmon: Certainty of Success: Project Com	This printer control of the control	oject will use the Tidal Habitat Mod ndition, forage-fish spawning habita a will be used to establish a modelii lill be documented. The information Addresses the most important hal However, they are using data alrestrategy improvements.  Not clear how this will lead to proj recent decades. To relate change analysis isn't clearly mentioned in	at, overwater structures, shoreline armoring, exposure, substrang approach to ID and prioritize conservation/restoration opportuilly be synthesized into a GIS database.  bitat in their area. Ties in with refugia study that looked at free eady available and may not add much new information. The filects. Among the objectives is to provide planners with unders es through time, a historical analysis of the project area is need the proposal.	tte, etc. on 145 miles of East Kitsap Crtunities. Additionally, use patterns of thwater and estuarine conditions. sh usage information would help deve tanding of regional changes during ded. Development of this historical
12 of 13	Description: eelgrass, ripa shorelines. T juvenile salm Benefit to Salmon: Certainty of Success: Project Com 02-1541 Description: meadows and Recommend	This properties on the properties of the propert	oject will use the Tidal Habitat Mod ndition, forage-fish spawning habita a will be used to establish a modeling ill be documented. The information Addresses the most important hal However, they are using data alrestrategy improvements.  Not clear how this will lead to projecent decades. To relate change analysis isn't clearly mentioned in Washington Biodiversity Trust oject will: undertake the first compleare them with known stream/estuarement actions for those populations	at, overwater structures, shoreline armoring, exposure, substrang approach to ID and prioritize conservation/restoration opportuill be synthesized into a GIS database.  bitat in their area. Ties in with refugia study that looked at free eady available and may not add much new information. The filects. Among the objectives is to provide planners with unders es through time, a historical analysis of the project area is nee	te, etc. on 145 miles of East Kitsap Crtunities. Additionally, use patterns of shwater and estuarine conditions. It is to usage information would help deve transling of regional changes during ded. Development of this historical according to best overall watershed habit
	Description: eelgrass, ripa shorelines. T juvenile salm Benefit to Salmon: Certainty of Success: Project Com 02-1541 Description: meadows and Recommend	This properties on the properties of the propert	oject will use the Tidal Habitat Mod ndition, forage-fish spawning habita a will be used to establish a modelii ill be documented. The information Addresses the most important hal However, they are using data alrestrategy improvements.  Not clear how this will lead to proj recent decades. To relate change analysis isn't clearly mentioned in Washington Biodiversity Trust oject will: undertake the first compleare them with known stream/estuarement actions for those populations n, WBT will implement a public awa	at, overwater structures, shoreline armoring, exposure, substrang approach to ID and prioritize conservation/restoration opportiville be synthesized into a GIS database.  bitat in their area. Ties in with refugia study that looked at fresteady available and may not add much new information. The figure of the project area is need to the proposal.  Eelgrass Assessment & Management Project ete, accurate inventory of eelgrass in all depths of water; Identine salmon refugia; Select healthiest eelgrass populations access to address limiting factors issues; and Provide GIS overlay designed to the provide GIS overlay designed.	te, etc. on 145 miles of East Kitsap Crtunities. Additionally, use patterns of the characteristics. Addition

			Klickitat	County Lead Entity		
LE						
Ranking	Projec	t #	Sponsor	Project Name	SRFB Request	<b>Match Amount</b>
1 of 1	02-1636	N	Yakama Nation	Assessment of the White Salmon Watershed	64,293	55,000
	Description:	The obj	ectives of this Ecosystem Diagnosis and 1	Freatment (EDT) assessment of the White Salmon Water	shed will help devel	op and prioritize
	alternative rip	oarian ar	nd in-stream habitat projects. This project of	does not assume or depend on the removal of Condit Da	m, but it does attend	to the high
	interest and I	ikelihood	for some sort of structural modification to	or near the dam to reconnect the watershed to the anac	fromous fish runs of	the Columbia
	River.					
	Benefit to Salmon:	Med		nite Salmon River in anticipation of removing Condit Dam n activities. It would use existing habitat data and local e and bull trout.	•	
	Certainty of Success:	Med		er. It has been under study for decades in association wit ervation Commission, is nearing completion. The Yakama		0
	CONDITION	:	, ,	t local citizens could get their input into what happens aft		

				umbia Fish Recov Bd	<u> </u>	
LE Ranking	Project #		Sponsor	Project Name	SRFB Request	Match Amount
1 of 17	02-1506 R		Fish First	Doty Habitat Restoration Project	237,129	
	the Amboy to Pig installation of roo	geon ck va	Springs reach of Cedar Creek, a tributary	ning habitat, improve stream complexity and cover and ro of the North Fork of the Lewis River. This project will res el and placement of over 60 rootwads. Over 700 feet of c	store stream complex	kity by the
	Benefit to <b>Hi</b> Salmon:	igh		s side-channel (700'), main channel (4240') and riparian of the Lewis River. Multiple Tier 1 & 2 stocks affected.	habitat (2200') for m	ultiple species
				ects identified in the Lower Columbia strategy for the Lev ojects in Cedar Creek (4 of 20 miles treated)– major pub butaries.		
	Certainty of Mo	ed	Instream restoration approach may not be made structures, concern if this is needed potential for very short-term benefit due to	delivery but only in a small area related to potential sour e effective, given the limited information provided on des d and if they are sized and set appropriately. One other o high sediment delivery to the system, however is a low n the area showing increased spawner use.	ign and intent. There concern is placemer	e are lots of man- nt of gravel and the
				fored since 1997, however remaining physical monitoring sof spawning gravels as related to fine sediment delivery		
	-		· · · · · · · · · · · · · · · · · ·	is project – the strategy mentions high priority projects for o questions was that it is all in Forest & Fish and is there		-
2 of 17	02-1515 R		Underwood Conservation Dist	Upper Trout Creek Restoration	161,580	289,525
	steelhead. Obje (2) Increase shad stream large woo	ective: de >8 ody d	s: (1) Restore riparian conifers along Uppe 30% (60 years). (3) Increase bank stability lebris >100 pieces/river mile (1 year).	n project are to restore riparian areas and channel stabili er Trout, Crater, Compass and Layout Creek to eight tree v >80% (2 years). (4) Reduce bank full width to depth rat	es/acre > 31" in diam ios <25 (2 years). (5	neter (200 years). ) Increase in-
	Benefit to Hi Salmon:	igh	receive a high benefit equal to a project the Riparian treatments provide long-term be	steelhead a Tier 1 stock. In the LCFRB strategy a project hat benefits multiple species, if that project is appropriate enefits by addressing water temperature, sediment delive //D restore more stable configuration in the short-term. But the short is the short in the short is the short in the short is the short is the short in the short is t	e for that species and ry and channel cond	d watershed. lition limiting
	Certainty of <b>M</b> o Success:	ed	watershed. Preliminary results show incre	echniques in the Wind River for the last 10 years. This is reases in survival of juvenile steelhead. Haven't seen ch ctor. Lots of man-made structures, with a poorly explain	anges in water temp	• •
	Project Comme	ents:	Applicant provided expected recovery time	nelines for each aspect of the project and has an extensi	ve monitoring progra	am in place.
3 of 17	02-1498 R		County of Cowlitz	Abernathy Creek Riparian Restoration	247,131	123,468
	Corrections work (Threatened), an	k crev	ws. Abernathy Creek, a tributary of the Col coho (Candidate), steelhead and sea-run	preline) of riparian habitat along Abernathy Creek with the lumbia River, provides critical spawning and rearing habin cutthroat. The three-year project involves weed removal nonitoring will be the focus of the second two years.	itat for ESA-listed Ch	ninook and chum
	Benefit to Mo	ed	This project primarily benefits multiple Tie junction of the tributary with the Columbia	er 2, 3 and 4 stocks, but may also have some benefit to 1 a River. Treats 2 miles of shoreline.	Fier 1 Chum stock th	at utilize the
				priority limiting factors (riparian, water quality, sediment ms such as the location and affect of road and railroad gr		
	Certainty of <b>M</b> o	ed	maintenance and monitoring. Other stream	chased on the treated properties and Cowlitz County is eamside areas of the creek have had previous easements attle have been removed from the site. Applicant has exp	purchased providing	g protection to a
	-		· · · · · · · · · · · · · · · · · · ·	re additional restoration in the future due to the lack of str from the upper watershed; however treating riparian cond		

4 of 17	02-1521	N	Lower Columbia River FEG Watershed Nutrient Assessment 100,000 25,000
	Description: T	his pr	oject will conduct two assessments related to possible nutrient enhancement of major salmon-producing watersheds in southwest
	Washington. T	he cur	rent levels of nutrients will be assesssed at selected sites in the Cowlitz, Kalama, Lewis, Washougal, and Wind River watersheds.
	_		chment studies in replicated artificial stream mesocosms will be done to determine the feasibility of such applications in these
	watersheds.		
		Med	Will identify where nutrient enhancement is needed and the best method to deliver the nutrients. Also includes a study to quantify
		wea	
	Salmon:		potential impacts on the aquatic community and water quality from various levels and types of nutrient inputs.
	0.12.1		
	Certainty of	Low	Scale of study is large. One-year data cycle may not be enough for correct findings.
	Success:		Concerned about length of study being able to provide the necessary answers to this question that enables effective treatment. Also
			concerned about achieving the numbers of fish needed to sustain long-term nutrient supply if carcasses are determined to be the most
			appropriate nutrient application method.
	Project Comm	nents:	
5 of 17	02-1518 I	N	Lower Columbia River FEG Regional Culvert Inventory 264,580 66,300
3 01 17			posed Regional Culvert Assessment project is a collaborative effort between multiple private landowners, Clark Conservation District,
	-		
			Conservation District, Clark County, WDFW, and Lower Columbia Fish Enhancement Group. The inventory effort will review previous
	culvert assessi	ments,	identify data gaps, assess habitat, and provide preliminary designs and cost estimates for the highest priority sites.
	Benefit to	High	Providing access is the # 1 priority identified in the LCFRB strategy. Has potential to benefit multiple stocks and fill data gaps for future
	Salmon:		barrier replacements. Several watershed analyses have been completed that will provide additional watershed condition information fo
			context. Stated they will use WDFW's SSHEAR protocols.
	Certainty of I	High	Using WDFW's protocols. Walking stream. REFG has the ability to inventory on private lands, which allows a comprehensive survey
	Success:		that has been lacking in the past. Initially concerned about scope of project – how many can they get done in one year and will this
i			provide high benefit if so much else is still unknown. They believe they have over 1500 potential barriers to inventory. LCFRB did say
			they would target sub-watersheds and complete them prior to moving on so they will know the scope of the problem for that area.
	Project Comm	nents:	
0 6 4 =	00 1100	_	l
6 of 17		R	Lower Columbia River FEG         Yanzik Off-Channel Rearing Pond         29,750         5,250
	-		oject would create an off channel rearing pond, restore floodplain functions, and restore riparian conditions on the north side of the
	Washougal Riv	er roa	d at RM 7. This project would benefit ESA listed summer and winter steelhead, ESA listed chinook salmon, cutthroat trout, and ESA
	candidate coho	salm	on. The proposed rearing pond would contain approximately 90,000 cubic feet of new rearing habitat that would be linked to the
	Washougal via	a sho	rt, low gradient and easily accessible stream channel.
		Med	The benefit would be increased off-channel rearing habitat for multiple species, although primarily targeted at coho and cutthroat, but
	Salmon:		potentially Chinook as well. Washougal has limited habitats of this type due to natural geomorphic conditions and the presence of a
			major road bisecting the floodplain. In addition, the project will restore some floodplain function and riparian conditions in the project
			area.
			However, some of the beneficial conditions present are related to an artificial control provided by the road and culvert, which could be
			However, some of the beneficial conditions present are related to an artificial control provided by the road and culvert, which could be altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of
			altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of
			altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.
	,	Med	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has
	Certainty of I	Med	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.
	_	Med	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has
	_	Med	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater
	Success:		altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater
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7 of 17	Success: Project Comm	nents:	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.
7 of 17	Success:  Project Comm	nents:	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG Little Washougal River Restoration 335,000 65,000
7 of 17	Project Comm  02-1514  Description: T	nents:	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG Little Washougal River Restoration 335,000 65,000 cas of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear in
7 of 17	Project Comm  02-1514  Description: T the lower Little	nents: R The foo Wash	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG   Little Washougal River Restoration   335,000   65,000   cus of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear in ougal River. The stream contains summer and winter steelhead, chinook and coho salmon, and resident and sea-run cutthroat trout.
7 of 17	Project Comm  02-1514  Description: T the lower Little	nents: R The foo Wash	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG Little Washougal River Restoration 335,000 65,000 cas of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear in
7 of 17	Project Comm  02-1514  Description: T the lower Little These objective	R The foo Wash es will	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG   Little Washougal River Restoration   335,000   65,000   cus of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear in ougal River. The stream contains summer and winter steelhead, chinook and coho salmon, and resident and sea-run cutthroat trout.
7 of 17	Project Comm  02-1514  Description: T the lower Little These objective restored riparia	R The foo Wash es will	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG   Little Washougal River Restoration   335,000   65,000    sus of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear in ougal River. The stream contains summer and winter steelhead, chinook and coho salmon, and resident and sea-run cutthroat trout. be met by employing the use of rock J-vanes and large wood structures to stabilize the stream banks temporarily (<50 years) until the etation matures.
7 of 17	Project Comm  02-1514  Description: T the lower Little These objective restored riparia	nents: R The foo Wash es will an veg	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG
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	Project Comm  02-1514  Description: T the lower Little These objective restored ripariate Benefit to Salmon:  Certainty of Success:  Project Commediscourage chii 02-1443  Description: T of the diked se shrubs in a ripat two years. The	R The foc Wash es will an veg Med Low This this this this gment	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG  Little Washougal River Restoration  335,000  65,000  Bus of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear in ougal River. The stream contains summer and winter steelhead, chinook and coho salmon, and resident and sea-run cutthroat trout, be met by employing the use of rock J-vanes and large wood structures to stabilize the stream banks temporarily (<50 years) until the teation matures.  Not immediate floodplain restoration. Large project areas in priority stream benefiting multiple Tier 1 & 2 stocks. Unstable channel are due to lack of wood and high sediment delivery, project plans to create more stable channel pattern that would improve habitat stability provide later channel stability to allow riparian area to become established. Establish riparian area in effort to provide long-term natural channel stability and mitigate sediment delivery.  Lots of man-made structures (15 J-hooks, 20 log weirs, LWD, boulder clusters). Low certainty rating due to lack of information on design methods and stated use of only 20 log weir, 15 rock weirs and an additional 15 key pieces of LWD in 7,500 feet of stream. This is approximately one structure every 214 feet - which may not be appropriate or adequate for this low gradient stream. Good monitoring plan outlined.  May provide restoration over time. This project may help promote the return of chinook to the system, rock structur
	Project Comm  02-1514  Description: T the lower Little These objective restored ripariate Benefit to Salmon:  Certainty of Success:  Project Commediscourage child of the diked see shrubs in a ripate two years. The Benefit to	R The foc Wash es will an veg Med Low This this gment arian s Cowe	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG  Little Washougal River Restoration  Jas5,000  Bus of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear in ougal River. The stream contains summer and winter steelhead, chinook and coho salmon, and resident and sea-run cutthroat trout. be met by employing the use of rock J-vanes and large wood structures to stabilize the stream banks temporarily (<50 years) until the etation matures.  Not immediate floodplain restoration. Large project areas in priority stream benefiting multiple Tier 1 & 2 stocks. Unstable channel are due to lack of wood and high sediment delivery, project plans to create more stable channel pattern that would improve habitat stability provide later channel stability and mitigate sediment delivery, business and an additional 15 key pieces of LWD in 7,500 feet of stream. This is approximately one structures (15 J-hooks, 20 log weirs, LWD, boulder clusters). Low certainty rating due to lack of information on design methods and stated use of only 20 log weir, 15 rock weirs and an additional 15 key pieces of LWD in 7,500 feet of stream. This is approximately one structure every 214 feet - which may not be appropriate or adequate for this low gradient stream. Good monitoring plan outlined.  May provide restoration over time. This project may help promote the return of chinook to the system, rock structures tend to Coweeman River Riparian Restoration  Cowee
	Project Comm  02-1514  Description: T the lower Little These objective restored ripariate Benefit to Salmon:  Certainty of Success:  Project Commediscourage chilogourage chilogourage chilogourage chilogourage shrubs in a ripatwo years. The  Benefit to Salmon:	ments:  The food Wash es will an veg Med  Low  Low  This this gment e Cowe	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG Luttle Washougal River Restoration 335,000 65,000 as of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear ir ougal River. The stream contains summer and winter steelhead, chinook and coho salmon, and resident and sea-run cutthroat trout. be met by employing the use of rock J-vanes and large wood structures to stabilize the stream banks temporarily (<50 years) until the etation matures.  Not immediate floodplain restoration. Large project areas in priority stream benefiting multiple Tier 1 & 2 stocks. Unstable channel are due to lack of wood and high sediment delivery, project plans to create more stable channel pattern that would improve habitat stability provide later channel stability to allow riparian area to become established. Establish riparian area in effort to provide long-term natura channel stability and mitigate sediment delivery.  Lots of man-made structures (15 J-hooks, 20 log weirs, LWD, boulder clusters). Low certainty rating due to lack of information on design methods and stated use of only 20 log weir, 15 rock weirs and an additional 15 key pieces of LWD in 7,500 feet of stream. This is approximately one structure every 214 feet - which may not be appropriate or adequate for this low gradient stream. Good monitoring plan outlined.  May provide restoration over time. This project may help promote the return of chinook to the system, rock structures ten
7 of 17	Project Comm  02-1514  Description: T the lower Little These objective restored ripariate Benefit to Salmon:  Certainty of Success:  Project Commediscourage chii 02-1443  Description: T of the diked se shrubs in a ripate two years. The Benefit to Salmon: Certainty of I	R The foc Wash es will an veg Med Low This this gment arian s Cowe	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG   Little Washougal River Restoration   335,000   65,000   us of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear in ougal River. The stream contains summer and winter steelhead, chinook and coho salmon, and resident and sea-run cutthroat trout. be met by employing the use of rock J-vanes and large wood structures to stabilize the stream banks temporarily (<50 years) until the etation matures.  Not immediate floodplain restoration. Large project areas in priority stream benefiting multiple Tier 1 & 2 stocks. Unstable channel area due to lack of wood and high sediment delivery, project plans to create more stable channel pattern that would improve habitat stability, provide later channel stability to allow riparian area to become established. Establish riparian area in effort to provide long-term natural channel stability and mitigate sediment delivery.  Lots of man-made structures (15 J-hooks, 20 log weirs, LWD, boulder clusters). Low certainty rating due to lack of information on design methods and stated use of only 20 log weir, 15 rock weirs and an additional 15 key pieces of LWD in 7,500 feet of stream. This is approximately one structure every 214 feet - which may not be appropriate or adequate for this low gradient stream. Good monitoring plan outlined.  May provide restoration over time. This project may help promote the return of chinook to the system, rock str
	Project Comm  02-1514  Description: T the lower Little These objective restored ripariate Benefit to Salmon:  Certainty of Success:  Project Commediscourage chilogourage chilogourage chilogourage chilogourage shrubs in a ripatwo years. The  Benefit to Salmon:	ments:  The food Wash es will an veg Med  Low  Low  This this gment e Cowe	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG  Little Washougal River Restoration  Ja35,000  65,000  Dus of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear in ougal River. The stream contains summer and winter steelhead, chinook and coho salmon, and resident and sea-run cutthroat trout. Be met by employing the use of rock J-vanes and large wood structures to stabilize the stream banks temporarily (<50 years) until the etation matures.  Not immediate floodplain restoration. Large project areas in priority stream benefiting multiple Tier 1 & 2 stocks. Unstable channel area due to lack of wood and high sediment delivery, project plans to create more stable channel pattern that would improve habitat stability, provide later channel stability and mitigate sediment delivery.  Lots of man-made structures (15 J-hooks, 20 log weirs, LWD, boulder clusters). Low certainty rating due to lack of information on design methods and stated use of only 20 log weir, 15 rock weirs and an additional 15 key pieces of LWD in 7,500 feet of stream. This is approximately one structure every 214 feet - which may not be appropriate or adequate for this low gradient stream. Good monitoring plan outlined.  May provide restoration over time. This project may help promote the return of chinook to the system, rock structures tend to  Coweman River Riparian Restoration  Logical Riparian Restoration  Logical Riparian Restoration  Logical Riparian
	Project Comm  02-1514 I Description: T the lower Little These objective restored riparia Benefit to Salmon:  Certainty of Success:  Project Commediscourage chii 02-1443 I Description: T of the diked see shrubs in a ripat two years. The Benefit to Salmon:  Certainty of I Salmon: Certainty of I Success:	nents:  R The foc Wash es will an veg Med  Low  Low  This thi gment arian s c Cowe  Med  Med	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG  Little Washougal River Restoration  335,000  65,000  us of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear in ougal River. The stream contains summer and winter steelhead, chinook and coho salmon, and resident and sea-run cutthroat trout. be met by employing the use of rock J-vanes and large wood structures to stabilize the stream banks temporarily (<50 years) until the leation matures.  Not immediate floodplain restoration. Large project areas in priority stream benefiting multiple Tier 1 & 2 stocks. Unstable channel area due to lack of wood and high sediment delivery, project plans to create more stable channel pattern that would improve habital stability, provide later channel stability and mitigate sediment delivery. Project plans to create more stable channel pattern that would improve habital stability, provide later channel stability and mitigate sediment delivery.  Lost of man-made structures (15 J-hooks, 20 log weirs, LWD, boulder clusters). Low certainty rating due to lack of information on design methods and stated use of only 20 log weir, 15 rock weirs and an additional 15 key pieces of LWD in 7,500 feet of stream. This is approximately one structures every 214 feet - which may not be appropriate or adequate for this low gradient stream. Good monitoring plan outlined.  May provide restoration over time. This project may help promote the return of chinook
	Project Comm  02-1514  Description: T the lower Little These objective restored ripariate Benefit to Salmon:  Certainty of Success:  Project Commediscourage chii 02-1443  Description: T of the diked se shrubs in a ripate two years. The Benefit to Salmon: Certainty of I	nents:  R The foc Wash es will an veg Med  Low  Low  This thi gment arian s c Cowe  Med  Med	altered in the future affecting the long-term benefits of the project. Sponsor stated that the road couldn't be moved due to presence of homes lining the road and river.  Concerns over whether the culvert will be a partial barrier once the pond is built leading to potential stranding. Applicant has successfully used this technique elsewhere and is seeing good fish utilization in the constructed ponds. Presence of groundwater source increases the certainty of maintaining a functional pond with cool water. Builds on previous acquisition effort.  Lower Columbia River FEG  Little Washougal River Restoration  335,000  65,000  us of this proposal is to restore riparian and in-stream habitat conditions needed by salmonids in order to successfully spawn and rear in ougal River. The stream contains summer and winter steelhead, chinook and coho salmon, and resident and sea-run cutthroat trout, be met by employing the use of rock J-vanes and large wood structures to stabilize the stream banks temporarily (<50 years) until the leation matures.  Not immediate floodplain restoration. Large project areas in priority stream benefiting multiple Tier 1 & 2 stocks. Unstable channel are due to lack of wood and high sediment delivery, project plans to create more stable channel pattern that would improve habitat stability, provide later channel stability and mitigate sediment delivery.  Lots of man-made structures (16 J-hooks, 20 log weirs, LWD, boulder clusters). Low certainty rating due to lack of information on design methods and stated use of only 20 log weir, 15 rock weirs and an additional 15 key pieces of LWD in 7,500 feet of stream. This is approximately one structure every 214 feet - which may not be appropriate or adequate for this low gradient stream. Good monitoring plan outlined.  May provide restoration over time. This project may help promote the return of chinook to the system, rock structures tend to ce-year project will restore ½ mile (approximately 7 acres) of treeless riparian habitat along the banks of the Cowe

9 of 17	02-1517	N	Lower Columbia Diver FFC	Lower Wesheugel Besteration Faccibility	34.500 10
0 01 11		· This n	Lower Columbia River FEG	Lower Washougal Restoration Feasibility of the Washougal River watershed. The objective of the stud	- 1,000
			•	oring the lower Washougal River as functional salmon habitat.	
			9	umbia Fish Recovery Board, WDFW, Georgia Pacific, and Lov	•
			oration plan that would benefit multiple	• • • • • • • • • • • • • • • • • • • •	
	Benefit to		· ·	other SRFB acquisitions have been funded near this area.	
	Salmon:			·	
	Certainty of	Low	Methods may not lead to all the ansy	wers they need to address risk and benefit. Sponsor stated th	at they wanted to evaluate the ris
	Success:		-	d restoration, but there is no hydrologic analysis or modeling in	•
			adequately answer this question.	, , , , ,	
	Project Con	iments:			
10 of 17	02-1510	N	Grays River Habitat Enh Dist	Grays River Topo and Geomorphic Survey	143,000 40
	Description	: The Su	rvey will consist of developing a topog	graphic map, together with noted fluvial geomorphic features f	rom the mouth to approximately F
		-		fy opportunities to disrupt the present river instability cycle wit	
			•	ction and habitat opportunities. The Grays River supports one	of two remaining distinct chum
			s in the Lower Columbia.		
	Benefit to	Med		ng under current regime. May need to wait for actions in the u	pper watershed before proposing
	Salmon:		modification in this reach.		
	Certainty of	Low	High cost - relative to the utility of the	e information. Topographic information in a highly dynamic ar	ea may have a very short shelf-lif
	Success:				
	Project Com	ments	This project would best be done after	er the upper watershed conditions are improved. The project	has strong community support.
11 of 17	02-1520	R	Wahkiakum Conservation Dist	Hendrickson Creek Stream Restoration	66,389 11
	Description	: Locate		endrickson Creek Restoration Project will reconnect a channe	lized, ditched stream with its origi
	stream chan	nel. The	project will create 1,800 feet of off-ch	annel habitat and restore 1,400 feet of natural stream channe	I. It will also replace 3 culverts wi
	bridge, add o	hannel	complexity, create off-channel and rea	aring habitat, reduce soil erosion, and restore riparian vegetati	on. These creeks provide habitat
	chum, chinod	ok, coho	, steelhead, and cutthroat trout.		
	Benefit to	Med	Out of ditch into historic channel. Pr	imarily rearing habitat	
	Salmon:	Wieu	Out of diter into historic charmer. 11	iniany realing habitat.	
	Certainty of	Med	It appears that other factors may nee	ed to be addressed prior to this project or incorporated into thi	s design. Recommend the spons
	Success:			n considerations are included in the final design.	3
	Project Com	monto			
	i roject con	iiiiciits.			
12 of 17	02-1512	R	Grays River Habitat Enh Dist	Grays River Water District Bar	83,500 15
	Description	: The G	rays River is presently suffering from a	an excessive sediment load caused by headwater conditions,	
	areas. One o	of those		in executive dealinent load educed by fleadwater containent,	destabilizing the river in a number
	in the form of	11 111000	areas is in the vicinity of the Western \	Wahkiakum Water District's new well field. The proposed world	=
	iii tile lollii o			<del>-</del>	will establish a stabilization struc
		f a 20-fc		Wahkiakum Water District's new well field. The proposed worl	will establish a stabilization struc
	riparian vege	f a 20-fo etation c	not bankfull bench with a series of ston community through the affected reach.	Wahkiakum Water District's new well field. The proposed worlne/wood vanes to reduce near bank shear stress and provide	c will establish a stabilization struc for the establishment of a stabilizi
	riparian vege Benefit to	f a 20-fc	oot bankfull bench with a series of ston ommunity through the affected reach. Project located in a watershed that s	Wahkiakum Water District's new well field. The proposed worlne/wood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to red	will establish a stabilization structor the establishment of a stabilizing the establishment of a stabilizing the sediment delivery at a high curves sediment delivery at a high curves.
	riparian vege	f a 20-fo etation c	oot bankfull bench with a series of ston ommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the G	Wahkiakum Water District's new well field. The proposed worl ne/wood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to red Grays River. Fine and coarse sediments along with degraded	will establish a stabilization structor the establishment of a stabilizing uce sediment delivery at a high cuchannel conditions are identified
	riparian vege Benefit to	f a 20-fo etation c	oot bankfull bench with a series of ston ommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the G limiting factors for this watershed, bu	Wahkiakum Water District's new well field. The proposed worlne/wood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to red	will establish a stabilization structor the establishment of a stabilizing uce sediment delivery at a high cuchannel conditions are identified
	riparian vege Benefit to Salmon:	f a 20-fo etation c Med	oot bankfull bench with a series of ston ommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the G limiting factors for this watershed, bu watershed.	Wahkiakum Water District's new well field. The proposed worl ne/wood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to redistrays River. Fine and coarse sediments along with degraded at the strategy recommends starting with road, harvest and slot	c will establish a stabilization structor the establishment of a stabilization the establishment of a stabilization conditions are identified upe failure areas farther up in the
	riparian vege Benefit to Salmon: Certainty of	f a 20-fo etation c Med	pot bankfull bench with a series of stonormunity through the affected reach.  Project located in a watershed that so bank in a high dynamic area of the Glimiting factors for this watershed, but watershed.  The primary purpose of the project a	Wahkiakum Water District's new well field. The proposed worl ne/wood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to red Grays River. Fine and coarse sediments along with degraded	c will establish a stabilization structor the establishment of a stabilization the establishment of a stabilization conditions are identified upe failure areas farther up in the
	riparian vege Benefit to Salmon:	f a 20-fo etation c Med	oot bankfull bench with a series of ston ommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the G limiting factors for this watershed, bu watershed.	Wahkiakum Water District's new well field. The proposed worl ne/wood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to redistrays River. Fine and coarse sediments along with degraded at the strategy recommends starting with road, harvest and slot	c will establish a stabilization structor the establishment of a stabilization the establishment of a stabilization conditions are identified upe failure areas farther up in the
	Benefit to Salmon:  Certainty of Success:	f a 20-fo etation c Med Low	oot bankfull bench with a series of ston ommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the G limiting factors for this watershed, bu watershed.  The primary purpose of the project a level design is recommended.	Wahkiakum Water District's new well field. The proposed worl ne/wood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to redistrays River. Fine and coarse sediments along with degraded at the strategy recommends starting with road, harvest and slot	c will establish a stabilization structor the establishment of a stabilization the establishment of a stabilization conditions are identified upe failure areas farther up in the
	Benefit to Salmon:  Certainty of Success:  Project Com	f a 20-foretation content of the tation cont	oot bankfull bench with a series of ston ommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the G limiting factors for this watershed, bu watershed.  The primary purpose of the project a level design is recommended.	Wahkiakum Water District's new well field. The proposed worl ne/wood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce anys River. Fine and coarse sediments along with degraded at the strategy recommends starting with road, harvest and sloppears to be solely for the protection of infrastructure. To truly	will establish a stabilization structor the establishment of a stabilization to the establishment of a stabilization the establishment of a stabilization and the stabilization of the establishment of the stabilization of the stabilization of the establishment of the stabilization of the establishment of a stabilization of the establishment of a stabilization of the establishment of a stabilization of a s
13 of 17	Renefit to Salmon:  Certainty of Success:  Project Com 02-1519	f a 20-foretation content of the state of th	oot bankfull bench with a series of ston ommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the G limiting factors for this watershed, bu watershed.  The primary purpose of the project a level design is recommended.  Wahkiakum County Public Works	Wahkiakum Water District's new well field. The proposed worl  ne/wood vanes to reduce near bank shear stress and provide  supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce strains and coarse sediments along with degraded  at the strategy recommends starting with road, harvest and slow  suppears to be solely for the protection of infrastructure. To truly  Duck Creek Bridge	c will establish a stabilization structor the establishment of a stabilization to the establishment of a stabilization are sediment delivery at a high cuchannel conditions are identified upe failure areas farther up in the convergence of solve this problem a larger reaction of the convergence of t
13 of 17	Renefit to Salmon:  Certainty of Success:  Project Com  02-1519  Description	f a 20-fc etation c  Med  Low  mments:	oot bankfull bench with a series of stonommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the Climiting factors for this watershed, bu watershed.  The primary purpose of the project a level design is recommended.  Wahkiakum County Public Works  Dreek, a tributary to the Elochoman Rivershed and the country of the project and the country Public Works  Dreek, a tributary to the Elochoman Rivershed and the country Public Works	Wahkiakum Water District's new well field. The proposed worl ne/wood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce a provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce the strategy recommends starting with road, harvest and slow appears to be solely for the protection of infrastructure. To truly a Duck Creek Bridge wer at river mile 8, has been identified with access problems be	will establish a stabilization structor the establishment of a stabilization true for the establishment of a stabilization are sediment delivery at a high cuchannel conditions are identified upe failure areas farther up in the value of solve this problem a larger reaction of the solve this problem as a solve this problem a larger reaction of the solve this problem as a solve
13 of 17	riparian vege Benefit to Salmon:  Certainty of Success:  Project Com  02-1519  Description WRIA 25. Th	f a 20-fc etation c  Med  Low  R : Duck (  de prima	oot bankfull bench with a series of stonommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the Glimiting factors for this watershed, bu watershed.  The primary purpose of the project a level design is recommended.  Wahkiakum County Public Works  Treek, a tributary to the Elochoman Rivry objective of this project is to elimina	Wahkiakum Water District's new well field. The proposed worl ne/wood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce a provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce the strategy recommends starting with road, harvest and slow the strategy recommends starting with road, harvest and slow the strategy recommends starting with road, harvest and slow the strategy recommends starting with road, harvest and slow the strategy recommends starting with road, harvest and slow the strategy recommends starting with road, harvest and slow the strategy recommends at the strategy rec	will establish a stabilization structor the establishment of a stabilization true for the establishment of a stabilization the establishment delivery at a high cuchannel conditions are identified to pe failure areas farther up in the establishment of solve this problem a larger reaction of the creek by replacing a partition of the creek partition of the creek by replacing a partition of the creek
13 of 17	riparian vege Benefit to Salmon:  Certainty of Success:  Project Com  02-1519  Description WRIA 25. Th barrier culver	Med  Low  R : Duck (deprimant with a art with a second content or	oot bankfull bench with a series of stonommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the Climiting factors for this watershed, buwatershed.  The primary purpose of the project a level design is recommended.  Wahkiakum County Public Works  Treek, a tributary to the Elochoman Rivry objective of this project is to elimina bridge. The industrial forest landowner.	Wahkiakum Water District's new well field. The proposed worl ne/wood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce a provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce the strategy recommends starting with road, harvest and slow appears to be solely for the protection of infrastructure. To truly a Duck Creek Bridge wer at river mile 8, has been identified with access problems be	will establish a stabilization structor the establishment of a stabilization true for the establishment of a stabilization the establishment delivery at a high cuchannel conditions are identified to pe failure areas farther up in the establishment of solve this problem a larger reaction of the creek by replacing a partition of the creek partition of the creek by replacing a partition of the creek
13 of 17	riparian vege Benefit to Salmon:  Certainty of Success:  Project Com  02-1519  Description WRIA 25. Th barrier culver upstream of	f a 20-fcetation comments:  R: Duck (see prima rt with a this proj	oot bankfull bench with a series of stonommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the Climiting factors for this watershed, buwatershed.  The primary purpose of the project a level design is recommended.  Wahkiakum County Public Works  Treek, a tributary to the Elochoman Rivry objective of this project is to elimina bridge. The industrial forest landowneect, in the near future.	Wahkiakum Water District's new well field. The proposed work netwood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce a provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce the strategy recommends starting with road, harvest and slow the strategy recommends starting with road, harvest and slow appears to be solely for the protection of infrastructure. To truly appears to be solely for the protection of infrastructure. To truly appears to be solely for the protection of infrastructure. To truly appears to be solely for the protection of infrastructure and slow the strategy reaches are triver mile 8, has been identified with access problems but the the juvenile salmonid access problem to the upper reaches are has indicated to the project sponsor that they will be address.	will establish a stabilization structor the establishment of a stabilization true for the establishment of a stabilization the establishment delivery at a high cuchannel conditions are identified to pe failure areas farther up in the establishment of solve this problem a larger reaction of the creek by replacing a partition of the creek partition of the creek by replacing a partition of the creek
13 of 17	riparian vege Benefit to Salmon:  Certainty of Success:  Project Com  02-1519  Description WRIA 25. Th barrier culve upstream of Benefit to	Med  Low  R : Duck (deprimant with a art with a second content or	oot bankfull bench with a series of stonommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the Climiting factors for this watershed, bu watershed.  The primary purpose of the project a level design is recommended.  Wahkiakum County Public Works Creek, a tributary to the Elochoman Rinry objective of this project is to elimina bridge. The industrial forest landowneect, in the near future.  Good to open up system. Fish passa	Wahkiakum Water District's new well field. The proposed work netwood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce a provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce the strategy recommends starting with road, harvest and slow appears to be solely for the protection of infrastructure. To truly a provide the project starting with access problems but the juvenile salmonid access problem to the upper reachester has indicated to the project sponsor that they will be addressage is a priority-limiting factor in LCFRB strategy.	will establish a stabilization structor the establishment of a stabilization tructor the establishment of a stabilization the establishment of a stabilization that the conditions are identified to be failure areas farther up in the condition of the condition of the creek by replacing a particular that the condition of the creek by the
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13 of 17	riparian vege Benefit to Salmon:  Certainty of Success:  Project Com  02-1519  Description WRIA 25. Th barrier culver upstream of Benefit to Salmon:  Certainty of Success:  Project Com CONDITION	f a 20-fc etation c  Med  Low  The primary with a this proj  Med  Med  C  C  The primary with a this proj  Med  Med  C  The primary with a this proj  Med	oot bankfull bench with a series of stonommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the Climiting factors for this watershed, bu watershed.  The primary purpose of the project a level design is recommended.  Wahkiakum County Public Works  Preek, a tributary to the Elochoman Ring objective of this project is to eliminal bridge. The industrial forest landownect, in the near future.  Good to open up system. Fish passa Benefit is primarily for rearing access rearing habitat. Additional barriers upon the significant width in half and create a significant	Wahkiakum Water District's new well field. The proposed work netwood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce near season provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce the strategy recommends starting with road, harvest and slow the strategy recommends starting with road, harvest and slow propers to be solely for the protection of infrastructure. To truly the project start in the project start in the project sponsor that they will be addressed in a priority-limiting factor in LCFRB strategy. The protection of infrastructure is a priority-limiting factor in LCFRB strategy. The project sponsor that they will be addressed in the project sponsor that they will be a	will establish a stabilization structor the establishment of a stabilization through the establishment of a stabilization through the establishment of a stabilization through the establishment of a stabilization of the creek by replacing a particular partial barrier culverts, affecting downstream spawning a stabilization of the creek by replacing a particular partial barrier culverts, affecting downstream spawning a
13 of 17	riparian vege Benefit to Salmon:  Certainty of Success:  Project Com  02-1519  Description WRIA 25. Th barrier culver upstream of Benefit to Salmon:  Certainty of Success:  Project Com CONDITION	f a 20-fc etation c  Med  Low  The primary with a this proj  Med  Med  C  C  The primary with a this proj  Med  Med  C  The primary with a this proj  Med	oot bankfull bench with a series of stonommunity through the affected reach.  Project located in a watershed that s bank in a high dynamic area of the Climiting factors for this watershed, bu watershed.  The primary purpose of the project a level design is recommended.  Wahkiakum County Public Works  Dreek, a tributary to the Elochoman Rivry objective of this project is to eliminal bridge. The industrial forest landowneet, in the near future.  Good to open up system. Fish passa Benefit is primarily for rearing access rearing habitat. Additional barriers use Bridge span may be small and chang width in half and create a significant	Wahkiakum Water District's new well field. The proposed work netwood vanes to reduce near bank shear stress and provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce near season provide supports Tier 1 chum, and Tier 2 chinook. Project aims to reduce the strategy recommends starting with road, harvest and slow the strategy recommends starting with road, harvest and slow propers to be solely for the protection of infrastructure. To truly the project start in the project start in the project sponsor that they will be addressed in a priority-limiting factor in LCFRB strategy. The protection of infrastructure is a priority-limiting factor in LCFRB strategy. The project sponsor that they will be addressed in the project sponsor that they will be a	will establish a stabilization structor the establishment of a stabilization through the establishment of a stabilization through the establishment of a stabilization through the establishment of a stabilization of the creek by replacing a particular partial barrier culverts, affecting downstream spawning a stabilization of the creek by replacing a particular partial barrier culverts, affecting downstream spawning a

4 of 17	02-1507	R	Lewis County Public Works	Whiskey Creek Barrier (Cowlitz River)	232,200	41,000
	Description:	This pr		tributary to the Cowlitz River. An existing culvert restricts acce	ess for migrating adult anadr	omous fish
				d a 100% barrier to juvenile resident upstream migration. A ne	•	
		0 ,	0 0 ,	amside plantings are proposed. Removal of this barrier will pro-		
	1,334 sq m o trout.	f rearing		ented below the target barrier include: coho, steelhead, reside	nt & searun cutthroat, and ra	inbow
	Benefit to Salmon:	Med	Good to open up system. Fish pass	ssage is a priority-limiting factor in LCFRB strategy.		
	Certainty of	Med -	Proposed bridge span may be too	short. Will cut the channel width in half and create a significant	nt restriction with a v-shaped	channel
	Success:	С	profile. Channel width appears ver	rry small and may be over armored due to channel being over-	steepened.	
	Project Com					
	Sponsor will		th WDFW to design/redesign the pro	oject as needed.		
of 17	02-1509	R	Lewis County Public Works	Highland Creek Barrier Removal	443,000	85,000
				a tributary to the Tilton River (tributary of the Cowlitz). An existi		
	outfall height	is restri	cting access for migrating adult ana-	dromous fish more than 75% of the time. The 0.9-ft outfall is c	considered a 100% barrier to	juvenile
	upstream mig	gration.	A new precast concrete bridge, desi	igned streambed gravel, grade control, and streamside plantin	igs are proposed to restore fi	sh
	passage. Re	moval of	f this barrier will open up more than	10,235 sq m of spawning habitat and 6,907 sq m of rearing ha	abitat.	
	Benefit to	Med	Partial barrier to adults and juvenile	e. Predominantly coho Tier 3 with some Tier 1 steelhead pot	ential. High cost. Additional	upstream
	Salmon:		barriers limit project benefits at this	·	3	
	Certainty of	Mad.	' '	ears work is solely in right-of-way. Proposed bridge span may	he too short. Will cut the ch	annel widtl
	Success:	C	in half and create a significant rest		be too short. Will cut the ch	armer widt
				TOUCH.		
	Project Com					
	CONDITION	:				
	Sponsor agre	es to w	ork with WDFW to design/redesign t	the project as needed.		
of 17	02-1501	R	Cowlitz-Wahkiakum Cons Dist	Leckler Creek Weir Proiect	38.405	10.680
01 17				River and provides spawning and rearing habitat for a variety of		
			•	ock out of the stream and re-plant native trees and shrubs, inc	·	
				t will be backwatered to deepen the water sufficiently to allow j		
				,	,	
	Benefit to	Mad	Good to open up system. Fish pas	ssage is a priority-limiting factor in LCFRB strategy.		
		Med	Good to open up system. I ish pas	sage is a priority-inflitting factor in Lor ND strategy.		
	Salmon:		,		ng-term approach should be	evaluated
	Salmon: Certainty of		,	be appropriate for channel size; low confidence in design. A lor	ng-term approach should be	evaluated.
	Salmon: Certainty of Success:	Low	Rock weirs downstream may not b		ng-term approach should be	evaluated.
	Salmon: Certainty of	Low	Rock weirs downstream may not b		ng-term approach should be	evaluated.
of 17	Salmon: Certainty of Success: Project Com	Low nments:	Rock weirs downstream may not b	pe appropriate for channel size; low confidence in design. A lor		
of 17	Salmon: Certainty of Success: Project Com	Low nments:	Rock weirs downstream may not b	pe appropriate for channel size; low confidence in design. A lor  Foster Creek Barrier Cowlitz River	248,800	44,000
of 17	Salmon: Certainty of Success: Project Com 02-1503 Description:	Low nments: R : This pro	Rock weirs downstream may not b  Lewis County Public Works roject is located in Foster Creek, a tri	pe appropriate for channel size; low confidence in design. A lor  Foster Creek Barrier Cowlitz River  ributary to the Cowlitz River. An existing 8' x 6' box culvert on	248,800 Jackson Highway is restrictin	44,000 ng access
of 17	Salmon: Certainty of Success: Project Com 02-1503 Description: for migrating	Low  mments:  R : This product and adult a	Rock weirs downstream may not b  Lewis County Public Works oject is located in Foster Creek, a tri nadromous fish more than 75% of the	pe appropriate for channel size; low confidence in design. A lor  Foster Creek Barrier Cowlitz River  ributary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migra	248,800  Jackson Highway is restrictin tion barrier to juvenile and re	44,000 ag access sident fish
of 17	Salmon: Certainty of Success: Project Com 02-1503 Description: for migrating A new precase	R: This prince adult anst concre	Rock weirs downstream may not b  Lewis County Public Works roject is located in Foster Creek, a tri hadromous fish more than 75% of the ete three sided bridge, designed stre	Foster Creek Barrier Cowlitz River  ibutary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migrate eambed gravel, grade control, and streamside plantings are presented in the control of the cont	248,800  Jackson Highway is restrictin tion barrier to juvenile and re	44,000 ag access sident fish
of 17	Salmon: Certainty of Success: Project Com 02-1503 Description: for migrating A new precase	R: This prince adult anst concre	Rock weirs downstream may not b  Lewis County Public Works roject is located in Foster Creek, a tri hadromous fish more than 75% of the ete three sided bridge, designed stre	pe appropriate for channel size; low confidence in design. A lor  Foster Creek Barrier Cowlitz River  ributary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migra	248,800  Jackson Highway is restrictin tion barrier to juvenile and re	44,000 ag access sident fish
of 17	Salmon: Certainty of Success: Project Com 02-1503 Description: for migrating A new precas Removal of the	R: This produit an adult an at concrehis barri	Rock weirs downstream may not b  Lewis County Public Works roject is located in Foster Creek, a tri nadromous fish more than 75% of the ete three sided bridge, designed stre ier will open up more than 1,160 sq r	Foster Creek Barrier Cowlitz River ibutary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migrate eambed gravel, grade control, and streamside plantings are professional pr	248,800  Jackson Highway is restrictin tion barrier to juvenile and re roposed to restore fish passa	44,000 g access sident fish. ge.
of 17	Salmon: Certainty of Success: Project Com 02-1503 Description: for migrating A new precas Removal of ti	R: This prince adult anst concre	Rock weirs downstream may not b  Lewis County Public Works roject is located in Foster Creek, a tri adromous fish more than 75% of the ete three sided bridge, designed stre ier will open up more than 1,160 sq r	Foster Creek Barrier Cowlitz River  ibutary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migrate eambed gravel, grade control, and streamside plantings are presented in the control of the cont	248,800  Jackson Highway is restrictin tion barrier to juvenile and re roposed to restore fish passa	44,000 g access sident fish. ge.
of 17	Salmon: Certainty of Success: Project Com 02-1503 Description: for migrating A new precas Removal of the	R: This produit an adult an at concrehis barri	Rock weirs downstream may not b  Lewis County Public Works roject is located in Foster Creek, a tri nadromous fish more than 75% of the ete three sided bridge, designed stre ier will open up more than 1,160 sq r	Foster Creek Barrier Cowlitz River ibutary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migrate eambed gravel, grade control, and streamside plantings are professional pr	248,800  Jackson Highway is restrictin tion barrier to juvenile and re roposed to restore fish passa	44,000 g access sident fish. ge.
of 17	Salmon: Certainty of Success: Project Com  02-1503 Description: for migrating A new precas Removal of ti  Benefit to Salmon:	R: This produit an st concrehis barri	Rock weirs downstream may not be Lewis County Public Works oject is located in Foster Creek, a triadromous fish more than 75% of the ete three sided bridge, designed streier will open up more than 1,160 sq r. There are additional barriers upstrestrategy.	Foster Creek Barrier Cowlitz River ributary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migrate eambed gravel, grade control, and streamside plantings are promoted by the company of the compa	248,800  Jackson Highway is restrictin tion barrier to juvenile and re roposed to restore fish passate is a priority-limiting factor in	44,000 ag access sident fish ge.
of 17	Salmon: Certainty of Success: Project Com 02-1503 Description: for migrating A new precas Removal of ti Benefit to Salmon: Certainty of	R: This produit an adult an at concrehis barri	Rock weirs downstream may not be Lewis County Public Works oject is located in Foster Creek, a triadromous fish more than 75% of the ete three sided bridge, designed streier will open up more than 1,160 sq roughly a strategy.  The bridge span looks to be 20 – 3	Poster Creek Barrier Cowlitz River ributary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migral eambed gravel, grade control, and streamside plantings are promoted by the company of the compan	248,800  Jackson Highway is restrictin tion barrier to juvenile and re roposed to restore fish passare is a priority-limiting factor in width appears very small and	44,000 ag access sident fish. ge.  LCFRB
of 17	Salmon: Certainty of Success: Project Com  02-1503 Description: for migrating A new precas Removal of ti  Benefit to Salmon:	R: This produit an st concrehis barri	Rock weirs downstream may not b  Lewis County Public Works oject is located in Foster Creek, a tri nadromous fish more than 75% of the ete three sided bridge, designed stre ier will open up more than 1,160 sq r  There are additional barriers upstre strategy.  The bridge span looks to be 20 – 3 over-armored due to channel being	Poster Creek Barrier Cowlitz River ibutary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migral earmbed gravel, grade control, and streamside plantings are prim of spawning habitat and 4,319 sq m of rearing habitat.  The one of the cowlitz River are the company of the	248,800  Jackson Highway is restricting tion barrier to juvenile and reproposed to restore fish passage is a priority-limiting factor in width appears very small and uld lead to greatly increased on the same of	44,000 ag access sident fish. ge.  a LCFRB d may be costs.
of 17	Salmon: Certainty of Success: Project Com 02-1503 Description: for migrating A new precas Removal of ti Benefit to Salmon: Certainty of	R: This produit an st concrehis barri	Rock weirs downstream may not b  Lewis County Public Works oject is located in Foster Creek, a tri nadromous fish more than 75% of the ete three sided bridge, designed stre ier will open up more than 1,160 sq r  There are additional barriers upstre strategy.  The bridge span looks to be 20 – 3 over-armored due to channel being Greater upstream/downstream wor	Poster Creek Barrier Cowlitz River ributary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migral eambed gravel, grade control, and streamside plantings are promoted by the company of the compan	248,800  Jackson Highway is restricting tion barrier to juvenile and reproposed to restore fish passage is a priority-limiting factor in width appears very small and uld lead to greatly increased on the same of	44,000 ag access sident fish. ge.  a LCFRB d may be costs.
of 17	Salmon: Certainty of Success: Project Com 02-1503 Description: for migrating A new precas Removal of ti Benefit to Salmon: Certainty of	R: This produit an st concrehis barri	Rock weirs downstream may not b  Lewis County Public Works oject is located in Foster Creek, a tri nadromous fish more than 75% of the ete three sided bridge, designed stre ier will open up more than 1,160 sq r  There are additional barriers upstre strategy.  The bridge span looks to be 20 – 3 over-armored due to channel being	Poster Creek Barrier Cowlitz River ibutary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migral earmbed gravel, grade control, and streamside plantings are prim of spawning habitat and 4,319 sq m of rearing habitat.  The one of the cowlitz River are the company of the	248,800  Jackson Highway is restricting tion barrier to juvenile and reproposed to restore fish passage is a priority-limiting factor in width appears very small and uld lead to greatly increased on the same of	44,000 ag access sident fish. ge.  a LCFRB d may be costs.
of 17	Salmon: Certainty of Success: Project Com  02-1503 Description: for migrating A new precase Removal of ti  Benefit to Salmon: Certainty of Success:	R : This properties adult and st concrete his barri  Low  Low	Rock weirs downstream may not be Lewis County Public Works oject is located in Foster Creek, a trinadromous fish more than 75% of the ete three sided bridge, designed streer will open up more than 1,160 sq round than 1,160 sq	Poster Creek Barrier Cowlitz River ibutary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migral earmbed gravel, grade control, and streamside plantings are prim of spawning habitat and 4,319 sq m of rearing habitat.  The one of the cowlitz River are the company of the	248,800  Jackson Highway is restricting tion barrier to juvenile and reproposed to restore fish passage is a priority-limiting factor in width appears very small and uld lead to greatly increased on the same of	44,000 gg access sident fish ge.
of 17	Salmon: Certainty of Success: Project Com 02-1503 Description: for migrating A new precas Removal of ti Benefit to Salmon: Certainty of	R : This properties adult and st concrete his barri  Low  Low	Rock weirs downstream may not be Lewis County Public Works oject is located in Foster Creek, a trinadromous fish more than 75% of the ete three sided bridge, designed streer will open up more than 1,160 sq round than 1,160 sq	Poster Creek Barrier Cowlitz River ibutary to the Cowlitz River. An existing 8' x 6' box culvert on the time. The 0.8' outfall is considered a 100% upstream migral earmbed gravel, grade control, and streamside plantings are prim of spawning habitat and 4,319 sq m of rearing habitat.  The one of the cowlitz River are the company of the	248,800  Jackson Highway is restricting tion barrier to juvenile and reproposed to restore fish passage is a priority-limiting factor in width appears very small and uld lead to greatly increased on the same of	44,00 ag access sident fis ge.  I LCFRB at may be costs.

			nservation District LE		
LE Ranking	Project #	Sponsor	Project Name	SRFB Request	Match Amount
1 of 3	02-1574 R		Malaney Creek Fish Passage Project	326,780	0.,00-
	upstream of Oakland salmon and cutthroa benefits salmon and the landowner, in the	d Bay, a major culvert barrier exists under A t trout. The available habitat is considered their habitat needs. This project will const e form of cash and donated labor and equip		nabitat for Coho, stee uild a cost effective s ch will be provided b	elhead, chum solution that by Mason County,
	Benefit to High Salmon: Certainty of High Success:	remediation of passage issues in this are Good partnering. Good conceptual design	gn. Outcome of a SRFB funded inventory project. n great fisheries response to removal of barriers. There a	•	
	Project Comments:	1			
2 of 3	02-1591 R	South Puget Sound SEG	Little Skookum Valley, Phase I: Passage	120,140	21,202
	at RM 5). The Eich F difficult for salmon m allow for fish migration Benefit to Med Salmon:	Rd culvert is a nearly impassable structure in igration. The likely structure will be a large on at all life stages.  Skookum watershed is a high priority for barrier. Removes a partial barrier improving riparian conditions in the watershed to control of the PI increased from 14.61 to 22.	Mason County stream/road crossing on Skookum Valley that has begun to rust and fail. The water is falling througe 18' Aluminum Arch Culvert or 20' pre-fabricated bridge.  the WRIA. Although technically a partial barrier, imminer ving access to 2,100 meters of decent habitat for multiple omplement access issue. Other partial barriers upstream	th rust spots at the o The project will ope ont failure probably m species. Sponsor is	utlet making it en 1.4 miles and eans it is a full s also working on
	Certainty of High Success:	Outcome of a SRFB funded inventory probarriers.	<ul> <li>gn. Working to address all issues at site.</li> <li>oject. Previous projects by this sponsor showing great fis</li> </ul>	sheries response to t	he removal of
	Project Comments:	:			
3 of 3	02-1444 R		Little Skookum Valley, Phase II:Riparian	27,942	
	other resident specie	es. SPSSEG and partners will implement L d 4 SRFB Application (Eich Road Fish Pass	tream habitat on Skookum Valley Cr, (a tributary to Skool arge Woody Debris (LWD) placement, riparian fencing, a sage Project). Together, these projects will have a positi	nd provide riparian p	olantings
	Benefit to <b>Med</b> Salmon:	Reestablishing riparian buffer on high price Deals with the only other main area of de	ority stream in association with access improvements. Cegradation in the system besides access.	attle would be exclude	ded completely.
	Certainty of Med Success:		LWD? (15@65') and how is it expected to function in this a 35 – 100 foot buffer for a minimum of 10 years. Looking y grass is difficult to eradicate.		
	Project Comments:	:			

			Nisquall	y River Lead Entity			
LE lanking	Project #	ŧ	Sponsor	Project Name	SRF	B Request	Match Amour
of 11		3	Nisqually Indian Tribe	Nisqually Estuary/Red Salmon Slough Rest		286,416	
	removing and s habitat in the N	setting Iisqual	back approximately 6000 linear feet of dil ly Estuary. The project will be accomplish	of diked pasture in the Nisqually Delta and return kes. The result will be an estimated 18% increase of the diversity of the tides of the dikes, which impede the tides of the splan to restore natural estuarine functions on	of total saltma rom inundatin	rsh and fresh	/salt transitiona
	Salmon:	High	threatened chinook. The project likely ac flows and distributary channels in the Nis		oulations and	would help to	o restore tidal
	Success:	High	There is a high certainty of achieving the	objectives of increased and improved estuarine ha	bitat for multi	iple salmon sp	pecies.
	Project Comm	ents:					
of 11	02-1476 A	4	Nisqually R Basin Land Trust	Nisqually River Shoreline Protection		400,000	100,0
	will be evaluate Salmon Recove	ed and ery Le	ranked for acquisition using selection crit	horeline property without identifying in advance ead eria. Each potential acquisition, once identified, wi y Habitat Workgroup, and by the IAC grant officer. er miles.	l be reviewed	d and approve	ed by the Nisqu
	Benefit to N Salmon:	Med		mon since no specific parcels have been identified. esent close to two miles, the benefit to salmon woul		-	_
	Certainty of F						
	Success:	High	to actually provide protection for a full two	s given because the applicant provided additional of o miles of shoreline and provide a high level of ben the proposal to increase the minimum score to 15 pnids.	efits to fish.	The criteria fo	r selection are
	Success:  Project Comm	ients:	to actually provide protection for a full tw good, and the sponsor agreed to amend of properties with limited benefit to salmo	o miles of shoreline and provide a high level of ben the proposal to increase the minimum score to 15	efits to fish. To reduce the	The criteria fo chance of all	r selection are owing acquisition
of 11	Project Comm properties with	ents: limited	to actually provide protection for a full two good, and the sponsor agreed to amend of properties with limited benefit to salmot The sponsor agreed to amend the proped benefit to salmonids.  Nisqually R Basin Land Trust	o miles of shoreline and provide a high level of ben the proposal to increase the minimum score to 15 onids.  I sal to increase the minimum score to 15 to reduce the minimum score the minimum score the minimum score the minimum score the minimu	efits to fish. To reduce the	The criteria for chance of allowing ac 527,000	or selection are owing acquisition of 93,0
of 11	Project Comm properties with  02-1479 A  Description: To confluence of the applicant will in development of State Park.	Ients: Iimited A The puthe creasure to feet a	to actually provide protection for a full two good, and the sponsor agreed to amend of properties with limited benefit to salmod the sponsor agreed to amend the proped benefit to salmonids.  Nisqually R Basin Land Trust proper of this project is to acquire 80 acreses and the river. After acquisition, the land hat all salmonid habitat values, including in specified state park facilities associated.	o miles of shoreline and provide a high level of ben the proposal to increase the minimum score to 15 onids.  Seal to increase the minimum score to 15 to reduce well as of Weyer acceptance of the proposal to increase the minimum score to 15 to reduce well as of Weyer acceptance of the proposal to increase the minimum score to 15 to reduce well as of Weyer acceptance of the proposal to increase the minimum score to 15 to reduce well as of Weyer acceptance of the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the minimum score to 15 to reduce the proposal to increase the proposal to increase the minimum score to 15 to reduce the proposal to increase the proposal to	efits to fish. To reduce the the chance of t	The criteria for chance of allowing ac state of all	r selection are owing acquisition of 93,0 luding the at transfer the e allowing for th Nisqually Masi
of 11	Project Comm properties with  02-1479 A  Description: To confluence of the applicant will in development of State Park.	lents: limited A The pu	to actually provide protection for a full two good, and the sponsor agreed to amend of properties with limited benefit to salmod The sponsor agreed to amend the proped benefit to salmonids.  Nisqually R Basin Land Trust troops of this project is to acquire 80 acresek and the river. After acquisition, the land that all salmonid habitat values, including in specified state park facilities associated.  Located in a high priority area that would	o miles of shoreline and provide a high level of ben the proposal to increase the minimum score to 15 onids.  Solar to increase the minimum score to 15 to reduce the minimum score the minimum score to 15 to reduce the minimum score the minimum score th	efits to fish. To reduce the the chance of t	The criteria for chance of allowing action of allowing action of the control of the criterian of the criteri	r selection are owing acquisition of 93,0 unding the at transfer the e allowing for the Nisqually Masi
of 11	Project Comm properties with  02-1479 A  Description: Toonfluence of the applicant will in development of State Park.  Benefit to Salmon:	Ients: Iimited A The puthe creasure to feet a	to actually provide protection for a full two good, and the sponsor agreed to amend of properties with limited benefit to salmod The sponsor agreed to amend the proped benefit to salmonids.  Nisqually R Basin Land Trust Impose of this project is to acquire 80 acresek and the river. After acquisition, the land that all salmonid habitat values, including in specified state park facilities associated.  Located in a high priority area that would important area. The project may become benefit is lowered by the fact that about 6.	o miles of shoreline and provide a high level of ben the proposal to increase the minimum score to 15 onids.  Solar to increase the minimum score to 15 to reduce the minimum score the minimum score to 15 to reduce the minimum score the minimum score th	efits to fish. To reduce the the chance of t	The criteria for chance of allowing ac 527,000 op Creek, includer, prior to the rotected while clusion in the Chop Creek is protected street.	equisition of  gausition of  g
of 11	Project Comm properties with  02-1479 Project Comm  Description: Toconfluence of the applicant will in development of State Park.  Benefit to Salmon:  Certainty of Success:  Project Comm	limited  A The pu he cre ssure ti f certa  Med  High	to actually provide protection for a full two good, and the sponsor agreed to amend of properties with limited benefit to salmod the sponsor agreed to amend the properties between the properties and the properties of benefit to salmonids.  Nisqually R Basin Land Trust properties of this project is to acquire 80 acresses and the river. After acquisition, the land that all salmonid habitat values, including in specified state park facilities associated in a high priority area that would important area. The project may become benefit is lowered by the fact that about the fee simple acquisition provides a high term management and plans by the state.	o miles of shoreline and provide a high level of ben the proposal to increase the minimum score to 15 onids.  Deal to increase the minimum score to 15 to reduce to 15 to increase the minimum score to 15 to reduce to 15 to increase the minimum score to 15 to reduce to 15 to increase the minimum score to 15 to reduce to 15 to increase the minimum score to 15 to reduce to 15 to increase the minimum score to 15 to reduce to 15 to increase the minimum score to 15 to reduce to 15 to increase the minimum score to 15 to reduce t	efits to fish. To reduce the the chance of t	The criteria for chance of allowing ac 527,000 op Creek, including the criteria for the cri	equisition are owing acquisition of 93,0 luding the at transfer the e allowing for the Nisqually Mas a a unique and earn corridor.
	Project Comm properties with  02-1479 Project Comm  Description: Toconfluence of the applicant will in development of State Park.  Benefit to Salmon:  Certainty of Success:  Project Comm	limited A The pu the cre sure ti f certa  High	to actually provide protection for a full two good, and the sponsor agreed to amend of properties with limited benefit to salmost The sponsor agreed to amend the proped benefit to salmonids.  Nisqually R Basin Land Trust Impose of this project is to acquire 80 acresek and the river. After acquisition, the land hat all salmonid habitat values, including in specified state park facilities associated.  Located in a high priority area that would important area. The project may become benefit is lowered by the fact that about 6. The fee simple acquisition provides a high term management and plans by the state. The purchase could be accomplished be	o miles of shoreline and provide a high level of ben the proposal to increase the minimum score to 15 onids.  Soal to increase the minimum score to 15 to reduce where the proposal to increase the minimum score to 15 to reduce on the proposal to increase the proposal to in	efits to fish. To reduce the the chance of t	The criteria for chance of allowing ac 527,000 op Creek, including the criteria for the cri	graph of the property of the p
	Project Comm properties with  02-1479  Description: Toonfluence of the applicant will in development of State Park.  Benefit to Salmon:  Certainty of Buccess:  Project Commeally at threat a control of the success of	Ilimited  The put he pu	to actually provide protection for a full two good, and the sponsor agreed to amend of properties with limited benefit to salmod The sponsor agreed to amend the proped benefit to salmonids.  Nisqually R Basin Land Trust proped this project is to acquire 80 acreses and the river. After acquisition, the land that all salmonid habitat values, including it in specified state park facilities associated.  Located in a high priority area that would important area. The project may become benefit is lowered by the fact that about the fee simple acquisition provides a high term management and plans by the state. The purchase could be accomplished be as a high percentage (60%) upland.  Nisqually R Basin Land Trust eyerhaeuser Company owns 65 acres of the Highway 7 bridge. The Mashe and steelhead. This land is proposed for it the timber. After acquisition the land will	o miles of shoreline and provide a high level of ben the proposal to increase the minimum score to 15 onids.  Soal to increase the minimum score to 15 to reduce well as to increase the minimum score to 15 to reduce well as to increase the minimum score to 15 to reduce well as to increase the minimum score to 15 to reduce well as to increase the minimum score to 15 to reduce well as to increase the minimum score to 15 to reduce well as to increase the minimum score to 15 to reduce well as to increase the Nisqually I well as the Nisqually I with day use and river access. This property is property is property in the Nisqually Mashel State Park and enlar solow of the acquisition is upland.  The certainty of protecting the site, although some under the park and potential impacts from recreational use of tween State Parks and Weyerhaeuser but may be	River and Oho ship. Howevermanently proposed for increased a while. Not of the Maid rearing habiter, Weyerhae	The criteria for chance of allowing ac standard of allowing ac standard or chance or chance of allowing ac standard or chance or	r selection are owing acquisition of equisition equipment equipmen
of 11	Project Comm properties with  02-1479  Description: Toonfluence of the applicant will in development of State Park.  Benefit to Salmon:  Certainty of Success:  Project Comm really at threat a continue of the success	Ilimited  The put he pu	to actually provide protection for a full two good, and the sponsor agreed to amend of properties with limited benefit to salmod The sponsor agreed to amend the proped benefit to salmonids.  Nisqually R Basin Land Trust proper of this project is to acquire 80 acres the and the river. After acquisition, the land that all salmonid habitat values, including in in specified state park facilities associated. Located in a high priority area that would important area. The project may become benefit is lowered by the fact that about 6. The fee simple acquisition provides a high term management and plans by the state. The purchase could be accomplished be as a high percentage (60%) upland.  Nisqually R Basin Land Trust eyerhaeuser Company owns 65 acres of the Highway 7 bridge. The Mashe and steelhead. This land is proposed for if the timber. After acquisition the land will es, including in particular the timbered structure.	o miles of shoreline and provide a high level of ben the proposal to increase the minimum score to 15 onids.  Deal to increase the minimum score to 15 to reduce on the proposal to increase the minimum score to 15 to reduce on the proposal to increase the minimum score to 15 to reduce on the proposal to increase the minimum score to 15 to reduce on the proposal to increase the minimum score to 15 to reduce on the proposal to increase the minimum score to 15 to reduce on the Nisqually I do ultimately will be transferred to state parks owner in particular the timbered stream corridors, will be proposal to the property is proposal to the Nisqually Mashel State Park and enlare to the proposal to the property is proposal to the property is property in the property is property in the property is property in the property in the property in the property is property in the property in the property in the property is property in the proper	efits to fish. To reduce the the chance of t	The criteria for chance of allowing actions of	graph of selection are owing acquisition of acquisi

5 of 11	02-1493	Α	Nisqually R Basin Land Trust Markus Shoreline Acquisition 102,000	18,000
	located in the mixed specie shoreline, cor	Whitev s timber ntains o	project proposes to acquire a 5-acre shoreline parcel and to acquire a protective conservation easement on an adjacent 11-acre p water and McKenna reaches of the Nisqually River. The shoreline habitat on these two parcels is high bank, with a heavy growth at. The 5-acre parcel is undeveloped and includes approximately 800 feet of shoreline. The 11-acre parcel, with nearly 1200 feet one home and approximately two acres of cleared land; otherwise it is undeveloped with large trees along the Nisqually River. The acre parcel would eliminate any future subdivision of the property or any timber harvest in the shoreline area.	of older
	Benefit to Salmon:	High	This acquisition would protect up to 2,000 feet of shoreline in a high priority area that would benefit multiple salmon species. The applicant provided clarifying information concerning the floodplain. The applicant stated that the property is within a sharp mean	
	Certainty of Success:	Med	the river and so is surrounded by the river on three sides.  Some uncertainty exists with the conservation easement on the 11-acre parcel because of the uncertainty about easement requirements to be negotiated with the existing landowner, such as protection and maintenance of the access road and riparian	ı area.
	Project Com	ments:		
6 of 11	02-1536	N	Pierce Co Conservation Dist Nisqually Restoration Feasibility Study 95,698	22,182
	their entirety Finally, prelim	by a pro ninary p	vious SRFB grant (IAC #00-1863N) funded the first stage of this project. Anadromous tributaries to the Nisqually River will be wal ofessional field crew, and potential barriers will be identified and analyzed according to WDFW criteria for fish passage and priorit project designs will be prepared for restoration of lost salmon habitat. The objective of this project is to complete a database of bariority index surveys, and preliminary engineering (30% level) for from 8-10 habitat restoration projects in the freshwater portion of	ty index. arriers to
	Benefit to Salmon:	Med	The assessment covers one high priority basin, the Mashel River, but also includes a number of lower priority basins (e.g., Yeln Busywild, McGregor). The assessment is also unlikely to find barriers that significantly impact Chinook or chum salmon, two p species for the lead entity. The importance of fish passage barriers and expected gain in habitat access are uncertain.	
	Certainty of Success:	Med	Having a 30% design for a list of potential projects helps improve the certainty of achieving the objectives, but it is unclear how benefit will be achieved and when the projects would be funded and implemented.	much
	Project Com	ments:		
7 of 11	include new a under Harts L will be adjuste	access t ake Lo	Prierce Co Conservation Dist  Brighton Creek Culvert Replacement  404,552  project will remove a total barrier to salmon migration near the mouth of Brighton Creek, a tributary to the Nisqually River. Project to four miles of spawning and rearing habitat for Coho Salmon, Chum Salmon, Steelhead, and Cutthroat Trout. An existing 36" copo Road will be removed and replaced with a 23' x12' bottomless aluminum arch culvert and a rocky cascade immediately downs acilitate good salmon passage. This project will bring immediate benefits to multiple Nisqually River salmonids.	ulvert stream
	Benefit to Salmon:	High	This culvert replacement would open access to approximately 4 miles of good to moderate quality habitat for multiple species por Coho and chum. The project addresses a key limiting factor for salmon in this creek, although the lack of chinook presence low priority for the lead entity.	-
	Certainty of Success:	Med	The steep 8% gradient of the culvert may limit access for fish but is expected to improve access to habitat for significant numbe fish.	ers of
	Project Com	ments:		
8 of 11	to 1.5 miles o 54" culvert ur downstream	f spawr ider Hai will be b	Pierce Co Conservation Dist Horn Creek Restoration Project 173,099  project will remove two barriers to salmon migration on Horn Creek, a tributary to the Nisqually River. Project benefits include new ning and/or rearing habitat for Chinook, Pink, (Kerwin, 2000) Coho and Chum Salmon, and Steelhead and Cutthroat Trout. An exarts Lake Loop Road will be removed and replaced with a 19' x6.3' aluminum bottomless arch culvert, and a waterfall a short distate bypassed by a series of natural rocky pools to facilitate salmon passage. This project will be relatively easy to construct, and will so Nisqually River salmonids.	kisting ince
	Benefit to Salmon:	Med	This fish passage improvement project would replace a partial barrier culvert providing access to approximately 1.5 miles of god moderate quality habitat that would benefit multiple species including listed Chinook salmon. The reason for the medium benefits that only a moderate length of stream will have improved access and the barrier is only partially blocking.	
	Certainty of Success:	Med C	A moderate level of certainty was applied because of the level of and maintenance of passage improvement is uncertain and be of other habitat related problems upstream of the crossing.	ecause
		would b	: be increased if the waterfall is removed. It is recognized that this would depend on landowner approval. A fish passage structure rfall would be the least desirable because of maintenance, attraction flow, and constant monitoring.	around
9 of 11	cutthroat trou Index of 32.5 of -3%. Next	t. Tobo 7 was c upstrea	South Puget Sound SEG  Toboton Sub-basin Fish Passage Restorati 673,603  project will restore full fish passage access to several miles of good quality habitat used by chum and coho salmon and steelhead often Creek enters the Nisqually River at RM 29.3. The creek contains four barriersthis project would remove the lowest three. Calculated for the stream as a whole. The first is a steel culvert just downstream from Piessner Rd. It floods periodically and has am under Piessner Rd. is a triple pipe that does not meet WA state depth criteria. Further upstream under Bald Hills Rd., a concreter partially blocks access to fairly undisturbed, natural habitat.	A Priori a slope
	Benefit to Salmon:	Low	The project would replace three partial barriers and would provide improved access to about 3.5 miles of moderate quality habit multiple salmonid species, but is a lower priority area because chinook do not utilize the stream. The high cost and limited effectiveness of the project contributed to the low benefit rating.	tat for
		Low	multiple salmonid species, but is a lower priority area because chinook do not utilize the stream. The high cost and limited	

10 of 11	02-1490	R	Pierce Co Conservation Dist	Lacamas Creek Culvert Replacement	124,009 21,884				
			,	ation on Lacamas Creek, a tributary to the Nisqually Rive	-				
				num, Steelhead, and Cutthroat Trout. Existing twin 36" co					
		•		to facilitate good salmon passage. This project will be re	elatively easy to construct, and will				
	bring immediate benefits to Nisqually River salmonids.								
	Benefit to	Low	This project would provide improved acce	ess to less than 0.5 miles of lower priority habitat that wo	uld benefit multiple species by				
	Salmon:		addressing a 33% partial barrier. The lim	ited length of habitat accessed limits the benefits of this	barrier removal.				
	Certainty of	Med	The moderate to good habitat quality in a	rural residential and urbanized setting limits the certainty	of achieving significant benefits to				
	Success:		salmon.		,				
	Project Com	ments:	There is a barrier approximately 650 meters	ers above that would increase the benefit to salmon if ren	moved.				
	<b>Project Comments:</b> There is a barrier approximately 650 meters above that would increase the benefit to salmon if removed.								
11 of 11	02-1533	R	South Puget Sound SEG	Lackamas Creek Fish Passage Restoration	103,277 36,768				
11 of 11			<u> </u>	Lackamas Creek Fish Passage Restoration ver 1.4 miles of low gradient groundwater-fed habitat utili	,				
11 of 11	Description:	This pr	oject will restore fish passage access to o		zed by chum and coho salmon and				
11 of 11	Description: steelhead an	This pr	oject will restore fish passage access to or pat trout. Lackamas Creek enters the Nisq	ver 1.4 miles of low gradient groundwater-fed habitat utili	zed by chum and coho salmon and of the lowest blockages. A double				
11 of 11	Description: steelhead an barrel concre	This pr d cutthro te culve	oject will restore fish passage access to or pat trout. Lackamas Creek enters the Nisq	ver 1.4 miles of low gradient groundwater-fed habitat utili jually River at RM 28.7. This project would remove one o I Hills Rd. This road crossing floods on occasion, indicat	zed by chum and coho salmon and of the lowest blockages. A double				
11 of 11	Description: steelhead an barrel concre current struct	This pr d cutthro te culver ture. Th	oject will restore fish passage access to o oat trout. Lackamas Creek enters the Nisq t runs under Thurston County-owned Bald is blockage received a Priority Index numb	ver 1.4 miles of low gradient groundwater-fed habitat utili jually River at RM 28.7. This project would remove one of d Hills Rd. This road crossing floods on occasion, indicat over of 24.33.	zed by chum and coho salmon and of the lowest blockages. A double ing the undersized nature of the				
11 of 11	Description: steelhead an barrel concre	This pr d cutthro te culve	oject will restore fish passage access to o pat trout. Lackamas Creek enters the Nisq t runs under Thurston County-owned Balo is blockage received a Priority Index numl This project would provide improved acce	ver 1.4 miles of low gradient groundwater-fed habitat utili qually River at RM 28.7. This project would remove one of d Hills Rd. This road crossing floods on occasion, indicat per of 24.33.	zed by chum and coho salmon and of the lowest blockages. A double ing the undersized nature of the benefit multiple species. The limited				
11 of 11	Description: steelhead an barrel concre current struct Benefit to	This pr d cutthro te culver ture. Th	oject will restore fish passage access to o pat trout. Lackamas Creek enters the Nisq t runs under Thurston County-owned Balo is blockage received a Priority Index numl This project would provide improved acce	ver 1.4 miles of low gradient groundwater-fed habitat utili jually River at RM 28.7. This project would remove one of d Hills Rd. This road crossing floods on occasion, indicat over of 24.33.	zed by chum and coho salmon and of the lowest blockages. A double ing the undersized nature of the benefit multiple species. The limited				
11 of 11	Description: steelhead an barrel concre current struct Benefit to Salmon:	This pr d cutthro te culver ture. Th	oject will restore fish passage access to o pat trout. Lackamas Creek enters the Nisq t runs under Thurston County-owned Bald is blockage received a Priority Index numl This project would provide improved acce amount of habitat improved by fish passa	ver 1.4 miles of low gradient groundwater-fed habitat utili jually River at RM 28.7. This project would remove one of d Hills Rd. This road crossing floods on occasion, indicat oer of 24.33. less to about 0.6 miles of lower priority habitat that would lige restoration in a low priority area was the reason for the	zed by chum and coho salmon and of the lowest blockages. A double ing the undersized nature of the benefit multiple species. The limited is low benefit rating.				
11 of 11	Description: steelhead an barrel concre current struct Benefit to Salmon: Certainty of	This pr d cutthro te culver ture. Th	oject will restore fish passage access to o pat trout. Lackamas Creek enters the Nisq t runs under Thurston County-owned Bald is blockage received a Priority Index numb This project would provide improved acce amount of habitat improved by fish passa The moderate habitat quality in an urbani.	ver 1.4 miles of low gradient groundwater-fed habitat utili qually River at RM 28.7. This project would remove one of d Hills Rd. This road crossing floods on occasion, indicat per of 24.33.	zed by chum and coho salmon and of the lowest blockages. A double ing the undersized nature of the benefit multiple species. The limited is low benefit rating.				
11 of 11	Description: steelhead an barrel concre current struct Benefit to Salmon: Certainty of Success:	This pr d cutthro te culver ture. Th Low	oject will restore fish passage access to o pat trout. Lackamas Creek enters the Nisq t runs under Thurston County-owned Bald is blockage received a Priority Index numl This project would provide improved acce amount of habitat improved by fish passa	ver 1.4 miles of low gradient groundwater-fed habitat utili jually River at RM 28.7. This project would remove one of d Hills Rd. This road crossing floods on occasion, indicat oer of 24.33. less to about 0.6 miles of lower priority habitat that would lige restoration in a low priority area was the reason for the	zed by chum and coho salmon and of the lowest blockages. A double ing the undersized nature of the benefit multiple species. The limited is low benefit rating.				

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			<u> </u>			
LE Ranking	Project	t #	Sponsor	Project Name	SRFB Request	Match Amount
1 of 8	02-1621	С	Sequim Prairie Tri-Irrigation	Sequim Prairie Tri-Irrigation Reservoir	533,174	465,700
	will construct 3.0cfs during	a comp the irrig threate	lete water storage and distribution system ation season, of April 15 to Sept. 15, and ned Puget Sound chinook, summer chum  Low stream flow during migration and sp chum) in the lower Dungeness River. Th months. It may also make side-channel	n Reservoir and pressurized piping system in the Port W of 670 acres of farmland. Withdrawls are estimated to improve habitat for all fish species in the lower 6 miles of and bull trout, as well as the summer steelhead and fall awning is a primary limiting factor for several salmon spinis project could reduce irrigation diversion requirements habitat accessible to spawning fish, important because it ainstem spawning gravels. Complements numerous habitat lower Dungeness.	decrease from the Do f the river. Species b pink which are consi ecies (chinook, fall pi by 3 cfs during critic t is considered to be	Ingeness by enefitted will be dered critical by nk, and summer al summer and fall refuge habitat
	Certainty of Success:	Med	considered a pilot to demonstrate value a			•
	-			3 cfs of water. Nearly 50% match, however. Tier 1 strea on of irrigators is not assured, and funding for low-pressi		
2 of 8	02-1573	Α	North Olympic Land Trust	Lake Pleasant & Lake Creek Conservation	297,500	
	undeveloped approximatel	acres o	n the north shore of Lake Pleasant. The p es of forested wetland. All the sockeye in ily Significant Unit whose status appears s	ration easements, productive sockeye, coho, steelhead a project area includes 1,300 feet of Lake Creek, tributaries the Quillayute system spawn in Lake Pleasant, preferrin stable.  Bye and coho spawning and rearing habitat through perm	to the creek and the g the north shore. Th	lake and ey are a unique
	Salmon:		somewhat unique in Washington State.	ations. Tier 1 stream, consistent with strategy protection		
	Certainty of Success:	High		cts is important but upstream land management can affe		
	Project Com No restoration			n to upstream activities that may alter Lake Creek hydrol	ogy, sediment load, a	and water quality.
	channel for Ji phase. These	immyco e resulte	melately Creek (JCL). Originally funded do d from the need for a larger span to accor	Jimmycomelately Creek Bridge/Channel will construct a 115' by 40' bridge on Highway 101 to ac uring the 2000 SRFB cycle (\$590,000), DOT identified fu mmodate all flows and an underestimate of the load-bea elated to the bridge were inadvertently omitted.	inding shortfalls durir	ned streaming the design
	Benefit to Salmon:	High	Reconnects creek to estuary and allows Essential component of total watershed r	physical processes to be restored. Stream supports surrestoration effort.	nmer chum, Coho and	d steelhead.
	Certainty of Success:	High	0 1	cessary for all phases of basin restoration are in place exictions of this nature. High level of partnerships and assi		
	(tier 1 estuary	/) that re	equires significant fresh and estuarine hab	wever, the design underestimated the cost of certain elementate restoration to improve productivity. New bridge is or years for system to become fully functional.	-	
4 of 8	02-1545	Α	Wild Salmon Center	Elk Creek Acquisition	680,000	
	site borders band is slated	ooth side for clea	es of this unaltered steam corridor and the	p ¼ mile wide by 1 ¼ miles long that forms the valley flow lower portions of the adjacent steep hillsides. This area lk Creek provides one-third of the total redds spawned in chase from Rayonier.	is currently owned b	y ITT Rayonier
	Benefit to Salmon:	High	Protects 1.25 miles of high quality, heavi Numerous spring fed channels provide u	ly used steelhead and Coho spawning and rearing habit ndisturbed off-channel habitat.	at from further forest	practices.
	Certainty of Success:	High	with forest practices will not be mitigated minimal, helping to ensure preservation of		USFS and future act	ivity said to be
	_		Tier 1 stream. Extensive monitoring plar cted between the acquired properties that	n. Property owner committed to preservation of habitat. It may be vulnerable to degradation.	Not contiguous. Sma	all area of land

5 of 8	02-1583	R	Lower Elwha Klallam Tribe	Deep Cr & SF Pysht Riv LWD Restoration	619.675 109.35
3 01 6				Deep Creek and the Pysht River. In Deep Creek, 6 channel	
				vill be placed as free key pieces and as constructed logjams	
	targeted for	olaceme	nt in river mile 0.0-0.5, 0.8-3.5, and 4.0	0-5.5. These are the remaining untreated reaches following	g previous cooperative restoration
	projects betv	veen Me	rrill & Ring and the Tribe.		
	Benefit to	Med	This is the last and most downstream	n stream sections for treatment in Deep Creek. The SF Pys	sht proposal includes over 4 miles of
	Salmon:		previously untreated stream reaches cutthroat.	critically low in LWD. Work will benefit all species including	g Chinook, chum, coho, steelhead, and
	Certainty of Success:	High		ower Elwha Tribe restoration crew have stood test of time i res. USFS owns upper Deep Creek and is actively address	
	_		Tier 2 and 3 streams. Habitat product savings measure.	ctivity monitored via smolt trap on Deep Creek. Applicant s	hould consider the use of military
6 of 8	02-1581	R	Makah Tribal Council	Brownes Cr Instream Habitat Restoration	78,129 18,69
	Description	: The pi		nstream chinook habitat in Brownes Creek that was destro	
	bankfull widt	h. The w	rood can be easily relocated back into	State lands. A large amount of wood was scoured from the the stream. Approximately one mile of stream will be direct	•
			ded at stream crossings.		
	Benefit to Salmon:	Med		Tier 2 stream. The project will place old-growth derived woo into the channel so it will function as part of a complex wa	<u> </u>
	Certainty of	Med	Though it will likely take a few years	for recovery to be realized, the project will accomplish two	main objectives: 1. Return primarily old-
	Success:		8	s functional in the channel for decades or centuries prior to cessful in Boundary Creek by the Elwha Tribe.	the dam-break flood, and 2. Use a
	Project Con	nments:	There are no more road culverts abo	ove this project.	
7 of 8	02-1468	N	Lower Elwha Klallam Tribe	Elwha River Chinook and Coho Telemetry	520,000 100,000
	Description	: This 5	-year project will evaluate how well the	e capture and transport of chinook and coho from below the	e Elwha dams to release sites above the
	movements	monitore	ed by a combination of fixed and mobile	blish these species in the upper and middle river. Transport e receivers. Individual fish coordinates will be mapped by to modify segments of the project as the project proceeds.	GPS and the data stored on the Tribe's
	Benefit to Salmon:	Low		es of salmon and release tagged fish above dam to determ pawners to reestablish populations in upper Elwha after da	·
			what test fish may indicate. Reintrod	to reintroduce fish into the upper watershed, including voliti duction of hatchery fish into the upper Cowlitz River via trar hat program will provide all the information needed to devel	nsportation is occurring at this time.
	Certainty of Success:	Low	migration and return to the reservoir time. Envisions using a Threatened s	not always react as unhandled fish do. Depending on the s or even estuary. The proposal does not develop a compell stock as test animals. Access into National Park can somet tering hatcheries, preferring to spawn in the mainstem.	ing argument for doing the project at thi
	Project Con stock reintro		This project should be funded under	the Elwha River restoration program if the proponents beli	ieve this will provide vital information for
8 of 8	02-1599	С	North Olympic Land Trust	Ennis Creek Restoration & LWD Research	423,554 177,112
	Description	: This p		s and use conservation easements on those approximately	
	,		• ,	sement property with 1/4 mile of the creek to: 1) protect spa	• .
			oultrout, 2) use LWD to reduce gravel acement upstream, and 5) complement	flow affecting spawning habitat and blocking access, 3) En nt other habitat improvement efforts.	shance riparian vegetation, 4) obtain dat
	Benefit to Salmon:	Low		use. Tier 3 stream access above Hwy 101 requires fishwate to find trees for inchannel roughness to capture and retain	
	Certainty of Success:	Low		ansport problem with in channel structure. Upstream habita stormwater). Not addressing gravel source. LWD placem	,
	Project Con	nments:	Strong community support.		

l	1		Pacific C	County Lead Entity	1	•
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Ranking	Project		Sponsor	Project Name	SRFB Request	
	02-1572	R This pr		Upper Willapa River Riparian Restoration  n the Upper Willapa River Basin to improve fish habiat	78,750	
	include livest feces and uri	ock wat ne in str	ering facilities, livestock crossings, channe ream and excludes livestock from the ripari	If the opper Williaga River Basin to improve his madact If vegetation, fencing, and use exclusion. Fencing will p ian zone. This practice prevents trampling of the strear ady acquired DOE grant will dramatically improve water	revent livestock from on the stank by livestock the	directly depositine reby preventing
	Benefit to Salmon:	Med	factors for the Upper Willapa Watershed, chum, Coho and steelhead. Project targe	overall coordinated resource management project addr which affects documented spawning and rearing habit ets 15 of the 38 farms in the area for approximately thre dy indicating areas that do not meet water quality stand	at and success for Wi ee miles. Project area	llapa Chinook, is chosen based
	Certainty of Success:	Med	process is built around volunteer landown commitment of the landowners that agree priority or key properties are always inclu- increase the likelihood of landowner parti	willingness of landowners has not clearly been identifie	n the area to get involv CRM doesn't guarante g facilities through SR	ved. This ensure ee that the highe FB funding will
	Project Com	ments:				
of 8	02-1463	R	Willapa Bay RFEG	Salmon Creek	204.071	36,0
	wetland. The	ft has be 5900 rc	een identified as lacking channel structure and will be abandoned down to the Horse C	I AES to make a more detailed evaluation of Salmon C and sinuosity. The existing 5900 road was constructed Camp. Road abandonment by Campbell Group and DI ading of the channel migration zone to re-connect off-c	between the stream a	and an adjacent
	wetland. The	ft has be 5900 rc	een identified as lacking channel structure and will be abandoned down to the Horse Colude in-stream habitat features, and re-grading the cost of Large Woody Debris placem addressed?  Extent of Project directed by landowner with the through a watershed level inventory for the enabling road decommissioning (1 mile) as	and sinuosity. The existing 5900 road was constructed Camp. Road abandonment by Campbell Group and Diading of the channel migration zone to re-connect off-cent and reshaping of the channel. Are there other limically willingness to work in this area although habitat conditions have less than the Waselle system. This type of action is the #3 priority along with instream enhancement of approximately 1,0 of road and enhancement has greater benefit overall.	between the stream a NR is not part of the fundamental habitat.  ting factors or issues and restoration ner for the Naselle Water of feet of stream. En	and an adjacent unding request.  not being eds identified rshed. Partners hancement effo
	wetland. The Improvement Benefit to	ft has be 5900 rd s will ind	een identified as lacking channel structure and will be abandoned down to the Horse Colude in-stream habitat features, and re-grad High cost of Large Woody Debris placem addressed?  Extent of Project directed by landowner withrough a watershed level inventory for the enabling road decommissioning (1 mile) as is somewhat band-aid, but combination of is in the same condition and needs treatm.  Sponsor has completed similar projects in	and sinuosity. The existing 5900 road was constructed Camp. Road abandonment by Campbell Group and Diading of the channel migration zone to re-connect off-cent and reshaping of the channel. Are there other limically willingness to work in this area although habitat conditions have less than the Waselle system. This type of action is the #3 priority along with instream enhancement of approximately 1,0 of road and enhancement has greater benefit overall.	between the stream a NR is not part of the fundamental habitat.  Iting factors or issues The stream and restoration newer than the stream and restoration newer for the Naselle Water of fact of stream. En A large area downstreed.	and an adjacent inding request. not being eds identified rshed. Partners hancement effo am in the tributa
	wetland. The Improvement Benefit to Salmon:	ft has be 5900 rd s will ind Med	een identified as lacking channel structure and will be abandoned down to the Horse Colude in-stream habitat features, and re-grad High cost of Large Woody Debris placem addressed?  Extent of Project directed by landowner withrough a watershed level inventory for the enabling road decommissioning (1 mile) as is somewhat band-aid, but combination of is in the same condition and needs treatm.  Sponsor has completed similar projects in often has mixed results. What else is missing with the same condition and the same conditio	and sinuosity. The existing 5900 road was constructed Camp. Road abandonment by Campbell Group and Diading of the channel migration zone to re-connect off-cent and reshaping of the channel. Are there other limically willingness to work in this area although habitat conditions have less than the Waselle system. This type of action is the #3 priority along with instream enhancement of approximately 1,0 of road and enhancement has greater benefit overall. In the world in this project would be a start.	between the stream a NR is not part of the fundamental habitat.  Iting factors or issues The stream and restoration newer than the stream and restoration newer for the Naselle Water of fact of stream. En A large area downstreed.	and an adjacent inding request. not being eds identified rshed. Partners hancement effo am in the tributa
of 8	wetland. The Improvement Benefit to Salmon:  Certainty of Success:  Project Com 02-1458 Description: bearing wate have a priorit	Med  Med  Med  Med  Med  Med	een identified as lacking channel structure and will be abandoned down to the Horse Colude in-stream habitat features, and re-grad High cost of Large Woody Debris placem addressed?  Extent of Project directed by landowner withrough a watershed level inventory for the enabling road decommissioning (1 mile) as is somewhat band-aid, but combination of is in the same condition and needs treatm.  Sponsor has completed similar projects in often has mixed results. What else is mis will develop a design for two culverts high provide an important biological process of	and sinuosity. The existing 5900 road was constructed Camp. Road abandonment by Campbell Group and Diading of the channel migration zone to re-connect off-cent and reshaping of the channel. Are there other liming willingness to work in this area although habitat conditions Naselle system. This type of action is the #3 priority along with instream enhancement of approximately 1,0 of road and enhancement has greater benefit overall. An entry but this project would be a start.  In other tributaries that have been successfully implementating or could be done to improve the system in additions.  Oxbow Culvert Design  Son Oxbow Creek: two side-by-side 10 ft culverts. The of spawning and rearing to Chum, Coho, Chinook, Steel uirements for the in-streams improvements and the cultivation.	between the stream a NR is not part of the fundamental habitat.  Iting factors or issues Ins and restoration ner for the Naselle Water 00 feet of stream. En A large area downstre Into LWD?  55,250 In culverts are blocking Ilhead, and Cutthroat	not being eds identified shed. Partners hancement effo am in the tribute rim measure an
of 8	wetland. The Improvement Benefit to Salmon:  Certainty of Success:  Project Com 02-1458 Description: bearing wate have a priorit	Med  Med  Med  Med  Med  Med	een identified as lacking channel structure and will be abandoned down to the Horse Colude in-stream habitat features, and re-grad High cost of Large Woody Debris placem addressed?  Extent of Project directed by landowner withrough a watershed level inventory for the enabling road decommissioning (1 mile) as is somewhat band-aid, but combination of is in the same condition and needs treatm.  Sponsor has completed similar projects in often has mixed results. What else is missing the will develop a design for two culverts the provide an important biological process of 40.43. This effort will collect all the requditions, stream morphology, and develop a Design for two full barrier culverts and results.	and sinuosity. The existing 5900 road was constructed Camp. Road abandonment by Campbell Group and Diading of the channel migration zone to re-connect off-cent and reshaping of the channel. Are there other liming willingness to work in this area although habitat conditions Naselle system. This type of action is the #3 priority along with instream enhancement of approximately 1,0 of road and enhancement has greater benefit overall. An entry but this project would be a start.  In other tributaries that have been successfully implementating or could be done to improve the system in additions.  Oxbow Culvert Design  Son Oxbow Creek: two side-by-side 10 ft culverts. The of spawning and rearing to Chum, Coho, Chinook, Steel uirements for the in-streams improvements and the cultivation.	between the stream a NR is not part of the fundamental habitat.  Iting factors or issues Ins and restoration ner for the Naselle Water 00 feet of stream. En A large area downstre Into LWD?  55,250 Inculverts are blocking Islhead, and Cutthroat Invert replacement data	not being eds identified shed. Partners hancement effo am in the tributa rim measure an  9,7 5 miles of fish Trout. The culve such as: hydrai

the amount of spawning habital available. Sponsor stated that the outer bend instability is related to an adjacent road, but it is not possible to relocate or close the road due to access need upstream. It is unclear with the relative section of the system. Although this project may eliminate the current instability what to ensure that other areas of instability and to devel related to this nead? Extent of project as directed by landowner willingness to work in this area only attributation and restoration may be needed in additional areas of the watershed. Identified in Nemah watershed analysis but unclear if a priority was given to this project.  Certainty of Med Condition analysis of the area was completed prior to design. Bank stabilization cost appears low. LWD cost appears high, is there enough LWD? (68) 170° each) to accomplish the objectives. Not addressing the other issues.  Project Comments: Strategy does not indicate priority of Nemah in relation to other sub-watersheds.  Strategy does not indicate priority of Nemah in relation to other sub-watersheds.  110,005 Strategy does not indicate priority of Nemah in relation to other sub-watersheds.  110,005 Strategy does not indicate priority of Nemah in relation to other sub-watersheds.  110,005 Strategy does not indicate priority of Nemah in relation to other sub-watersheds.  110,005 Strategy does not indicate priority of Nemah in relation to other sub-watersheds.  110,005 Strategy does not indicate priority of Nemah in relation to their sub-watersheds.  110,005 Strategy does not indicate priority of Nemah in relation to their sub-watershed and priority of Nemah in relation and strategy in the relation and strategy in the relation and strategy and the sub-watershed in the sub-watershed priority of Nemah in the sub-watershed pr	4 of 8	02-1465 R	Willapa Bay RFEG Mid Nemah Stream 82,654 14,586
Salmon: Unclear of these are other limiting factors in the titulary that may affect the benefit of this project. Lack of LWD and sterembank instability at two locations were identified as proclemen for this area of the system. Although the project in the system. Although this project may explain the outer bend instability is reliated to an adjacent road, but is not possible to relocate or close the road due to access needs upstream. It is unclear with the relative section contribution of this section is the system. Although this project may eliminate the current instability with 5 to insure that other areas of instability with rod development of the system. Although this project may eliminate the current instability with 5 to insure that other areas of instability with rod development of the system. Although this project may eliminate the current instability with 5 to insure that other areas of instability with the project.  Certainty of Med Condition analysis of the area was completed prior to design. Bank stabilization cost appears low. LWO cost appears link, is there successes:  Project Comments: Strategy does not indicate priority of Nemah in relation to other sub-watershed.  Project Comments: Strategy does not indicate priority of Nemah in relation to other sub-watersheds.  Solf 8 (2-164 R Williage Bay RFEG Fine Creek Respectation.  Description: Williage Bay RFEG Fine Creek Respectation.  Solf and the strategy of the second of the system of the sub-watershed and stream and the sub-watershed and stream and stream and the sub-watersh		amount of key pieces	s of LWD and a lack of pool and riffle definition throughout this stretch of the Mid-Nemah. This stream segment is approximately 2,400
Success: enough LWD/16@ 170 each) to accomplish the objectives. Not addressing the other issues.  Project Comments: Strategy does not indicate priority of Nemah in relation to other sub-watesheds.  5.01.8			Unclear if there are other limiting factors in the tributary that may affect the benefit of this project. Lack of LWD and streambank instability at two locations were identified as problems for this area of the system. These issues are limiting spawning conditions and the amount of spawning habitat available. Sponsor stated that the outer bend instability is related to an adjacent road, but it is not possible to relocate or close the road due to access needs upstream. It is unclear what the relative sediment contribution of this area is to the system. Although this project may eliminate the current instability what's to ensure that other areas of instability will not develop related to this road? Extent of project is directed by landowner willingness to work in this area only although habitat conditions and restoration may be needed in additional areas of the watershed. Identified in Nemah watershed analysis but unclear if a priority was
Sof 8   02-1464 R   Willapa Bay RFEG   Finn Creek Restoration   110,205   19.0			
Description: Willage Bay Fisheres Enhancement Group identified a segment of Finn Creek as lacking channel structure and LWD resulting in bank stable and channel morphology problems. A low amount of key pleese of LWD, a lack of pool and riffe definition and trambal makin instability associated with the adjacent B-line road. This stream segment is approximately 3,200 feet in length with four identified areas containing serious bank stability issues. Finn Crit is a tributary to the North Nemah.  Benefit to Mod Is this a limiting factor need? Priority # 5 for the Nemah. This project may not be addressing the root cause of the bank instability and the methods of bank stabilization are not given.  Certainty of Low A&E is high for no design. Cost of channel shaping is very low. Is there enough LWD (7@371¹) to meet the project objectives. No design for bank stabilization work provided.  Most areas of bank instability are no meander bends. Often woody debris installation is designed to increase simusity and create greater channel complexity and pool development. The design approach to this project does not address this conflict or give indicate that this issue is considered and dealt with in the design. In addition, outlet head erosion is a natural process of channel migration. Other causes of instability were not given other than one area of steep slope.  Project Comments: Not entirely sure why Finn Creek below Mid-Nemah, no explanation was provided.  Benefit to Secretary in the project is to identify specific habitat Projects within the Palix watershed and prioritize the projects. These prioritized project will allow the Lead Entire for the project is to identify specific habitat Projects within the Palix watershed and prioritize the projects. These promitized projects are planned developed and implemented in a strategic manner to allow salmon recovery to be accomplished in a manner that is the highest benefit to salmon and is the most cost effective.  Benefit to Mod Good to fill data gaps and obtain information. Cos		Project Comments:	Strategy does not indicate priority of Nemah in relation to other sub-watersheds.
Description: Willago Bay Fisheries Enhancement Group identified a segment of Finn Creek as lacking channel structure and LWD resulting in bank stable and channel morphology problems. A low amount of key pieces of LWD, a lack of pool and riffe definition and stam bank instability associated with the adjacent B-line road. This stream segment is approximately 3,200 feet in length with four identified areas containing serious bank stability issues. Finn Crit is a tributary to the North Nemah.  Benefit to Mod Is this a limiting factor need? Priority #5 for the Nemah. This project may not be addressing the root cause of the bank instability and the methods of bank stabilization are not given.  Certainty of Low A&E is high for no design. Cost of channel shaping is very low. Is there enough LWD (7@371¹) to meet the project objectives. No design for bank stabilization work provided.  Most areas of bank instability are no meander bends. Often woody debris installation is designed to increase simusity and create greater channel complexity and pool development. The design approach to this project does not address this conflict or give indicate that this issue is considered and dealt with in the design. In addition, outer bend ensolve is a natural process of channel migration. Other causes of instability were not given other than one area of steep slope.  Project Comments: Not entirely sure why Finn Creek below Mid-Nemah, no explanation was provided.  Soft 8 02:1686 N Williapa Bay RFEG Palix Watershed Habitat Assessment  Description: The objective of this project is to identify specific habitat Projects within the Palix watershed and prioritize the projects. These promitized project will allow the Lead Entiry to further up-date their Strategic Salmon Recovery Part to assure projects are planned developed and implemented in a strategic manner to allow salmon recovery to be accomplished in a manner that is the highest benefit to salmon and is the most cost effective.  Benefit to Med Good to fill data gaps and obtain informat	5 of 8	02-1464 R	Willapa Bay RFEG Finn Creek Restoration 110,205 19,448
Certainty of Low A&E is high for no design. Cost of channel shaping is very low. Is there enough LWD (7@371') to meet the project objectives. No design for bank stabilization work provided.  Most areas of bank instability are on meander bends. Often woody debris installation is designed to increase sinuosity and create greater channel complexity and pool development. The design approach to this project does not address this conflict or give indicate that this issue is considered and dealt with in the design. In addition, outer bend ensoin is a natural process of channel migration. Other causes of instability were not given other than one area of steep slope.  Project Comments: Not entirely sure why Finn Creek below Mild-Nemah, no explanation was provided.  8 of 8 12-1586 N Williaps Bay RFEG Palix Watershed Habitat Assessment 2,3,500 4.1  Description: The objective of his project is to identify specific habitat Projects within the Palix watershed and prioritize the projects. These prioritized proj will allow the Lead Entity to further up-date their Strategic Salmon Recovery Plan to assure projects are planned developed and implemented in a strategic manner to allow salmon recovery to be accomplished in a manner that is the highest benefit to salmon and is the most cost effective.  Benefit to Med Good to fill data gaps and obtain information. Cost seems low for walking stream.  Assessment is primarily a catalog of restoration opportunities and concepts that can be used to develop projects for the watershed. This catalog with baseline conditions can be quite useful, but may not be capturing all of the watershed processes are considered in relation to standard problems identified. Strategy does not provide lue serful, but may not be capturing all of the watershed processes are considered in relation to standard problems identified. Strategy does not provide information about the relative importance of the Palix in the Williapa assessment a being put forward because these are the only ones the landowners are willing	0 01 0	Description: Willap- and channel morpho adjacent B-line road. is a tributary to the N Benefit to Med	a Bay Fisheries Enhancement Group identified a segment of Finn Creek as lacking channel structure and LWD resulting in bank stability logy problems. A low amount of key pieces of LWD, a lack of pool and riffle definition and stream bank instability associated with the This stream segment is approximately 3,200 feet in length with four identified areas containing serious bank stability issues. Finn Creek lorth Nemah.  Is this a limiting factor need? Priority # 5 for the Nemah. This project may not be addressing the root cause of the bank instability and
Success: design for bank stabilization work provided. Most areas of bank instability are on meander bends. Often woody debris installation is designed to increase sinuosity and create greater channel complexity and pool development. The design approach to this project does not address this conflict or give indicate that this issue is considered and dealt with in the design. In addition, outer bend erosion is a natural process of channel migration. Other causes of instability were not given other than one area of steep slope.  Project Comments: Not entirely sure why Finn Creek below Mid-Nemah, no explanation was provided.  6of 8 02-1586 N Williapa Bay RFEG Palix Watershed Habitat Assessment 23,520 4.3  Description: The objective of this project is to identify specific habitat Projects within the Palix watershed and prioritize the projects. These prioritized proj will allow the Lead Entity to further up-date their Strategic Salmon Recovery Plan to assure projects are planned developed and implemented in a strategic manner to allow salmon recovery to be accomplished in a manner that is the highest benefit to salmon and is the most cost effective.  Benefit to Med Good to fill data gaps and obtain information. Cost seems low for walking stream.  Benefit to Salmon: Assessment is primarily a catalog of restoration opportunities and concepts that can be used to develop projects for the watershed. This catalog with baseline conditions can be quite useful, but may not be capturing all of the watershed processes. The proposal doesn't retail provide much detail on the methodology and how larger watershed processes are considered in relation to standard problems identified. Strategy does not provide information about the relative importance of the Palix in the Willapa assessment as being put forward because these are the only ones the landowners are willing to work on at this time.  Certainty of Low Is there existing data analysis, field surveys of habitat condition, or known problem areas that have been completed for this			Č
Description: The objective of this project is to identify specific habitat Projects within the Palix watershed and prioritize the projects. These prioritized projet will allow the Lead Entity to further up-date their Strategic Salmon Recovery Plan to assure projects are planned developed and implemented in a strategic manner to allow salmon recovery to be accomplished in a manner that is the highest benefit to salmon and is the most cost effective.    Benefit to   Med   Good to fill data gaps and obtain information. Cost seems low for walking stream.			design for bank stabilization work provided.  Most areas of bank instability are on meander bends. Often woody debris installation is designed to increase sinuosity and create greater channel complexity and pool development. The design approach to this project does not address this conflict or give indications that this issue is considered and dealt with in the design. In addition, outer bend erosion is a natural process of channel migration.
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Assessment is primarily a catalog of restoration opportunities and concepts that can be used to develop projects for the watershed. This catalog with baseline conditions can be quite useful, but may not be capturing all of the watershed processes. The proposal doesn't really provide much detail on the methodology and how larger watershed processes are considered in relation to standard problems identified. Strategy does not provide information about the relative importance of the Palix in the Willapa system or the expected level of benefit or opportunity that can be expected from restoration in this watershed. This and the Willapa system or the expected level of benefit or opportunity that can be expected from restoration in this watershed. This and the Willapa system or the expected from restoration in this watershed. This and the Willapa assessment are being put forward because these are the only ones the landowners are willing to work on at this time.  Certainty of Low Is there existing data analysis, field surveys of habitat condition, or known problem areas that have been completed for this watershed. The limiting factors for this watershed area are not stated and little methodology is given except to refer to past assessment projects completed. Having been familiar with this area and group before I have some knowledge of the applicant's methods, but there is very little discussion of these methods and their merits in the proposal provided. Not Comprehensive.  Project Comments: Looks like a catalog of easy fixes. This may not be the right thing for the system. It is however, what they can accomplish as a small group.  Description: This project will support the three assessments necessary to remove uncertainty about impacts of Spartina on estuarine salmon habitat and best to respond to it. This assessment proposes to use a collaborative process involving scientists, experts and local citizens to assess the following: 1) the impact of Spartina on salmon habitat in the Willapa Bay estuary; 2) the relative val		will allow the Lead E	ntity to further up-date their Strategic Salmon Recovery Plan to assure projects are planned developed and implemented in a strategic
Success: The limiting factors for this watershed area are not stated and little methodology is given except to refer to past assessment projects completed. Having been familiar with this area and group before I have some knowledge of the applicant's methods, but there is verified.  Project Comments: Looks like a catalog of easy fixes. This may not be the right thing for the system. It is however, what they can accomplish as a small group.  7 of 8  O2-1457 N Coastal Resources Alliance Impact of Spartina on Estuarine Salmon 100,000 20,000 Description: This project will support the three assessments necessary to remove uncertainty about impacts of Spartina on estuarine salmon habitat and best to respond to it. This assessment proposes to use a collaborative process involving scientists, experts and local citizens to assess the following: 1) the impact of Spartina on salmon habitat in the Willapa Bay estuary; 2) the relative value of different estuarine habitats for salmon in order to prioritize restorate projects; and 3) the restorative benefits of various control techniques in re-establishing estuarine function for salmon species.  Benefit to Salmon: Med Good science, good education, good partnering. Strategy does not clearly address where the estuarine habitats fit into the Willapa system and its priority needs. Spartina potentially affects a significant portion of this habitat but affects are not clear. Assessment proposes to clarify this issue and identify the best places and methods to restore estuarine processes. Big effort to engage commun in understanding the problem – may smooth the way for additional action. Sparing remediation already in process through Weed Bo so this may not be best funding source. Primary benefit is clarifying issue in the community & defining appropriate restoration techniques for different areas.  Certainty of Low The issue is larger than for salmon. Should others pay for this? Could funding come from other sources? Then what? What will get			Assessment is primarily a catalog of restoration opportunities and concepts that can be used to develop projects for the watershed. This catalog with baseline conditions can be quite useful, but may not be capturing all of the watershed processes. The proposal doesn't really provide much detail on the methodology and how larger watershed processes are considered in relation to standard problems identified. Strategy does not provide information about the relative importance of the Palix in the Willapa system or the expected level of benefit or opportunity that can be expected from restoration in this watershed. This and the Willapa assessment are
group.  7 of 8  102-1457  N  103-10-10-10-10-10-10-10-10-10-10-10-10-10-			Is there existing data analysis, field surveys of habitat condition, or known problem areas that have been completed for this watershed? The limiting factors for this watershed area are not stated and little methodology is given except to refer to past assessment projects completed. Having been familiar with this area and group before I have some knowledge of the applicant's methods, but there is very little discussion of these methods and their merits in the proposal provided. Not Comprehensive.
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Salmon: system and its priority needs. Spartina potentially affects a significant portion of this habitat but affects are not clear. Assessment proposes to clarify this issue and identify the best places and methods to restore estuarine processes. Big effort to engage commun in understanding the problem – may smooth the way for additional action. Sparing remediation already in process through Weed Boso this may not be best funding source. Primary benefit is clarifying issue in the community & defining appropriate restoration techniques for different areas.  Certainty of Low The issue is larger than for salmon. Should others pay for this? Could funding come from other sources? Then what? What will get		best to respond to it. impact of Spartina or	This assessment proposes to use a collaborative process involving scientists, experts and local citizens to assess the following: 1) the n salmon habitat in the Willapa Bay estuary; 2) the relative value of different estuarine habitats for salmon in order to prioritize restoration
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Success. unite off a large scale:		Certainty of Low Success:	The issue is larger than for salmon. Should others pay for this? Could funding come from other sources? Then what? What will get done on a large scale?
Project Comments: Is the real purpose of this is to educate the general population? Can this define appropriate restoration techniques?		Project Comments:	Is the real purpose of this is to educate the general population? Can this define appropriate restoration techniques?

8 of 8	02-1456	N	Willapa Bay RFEG	Willapa Watershed Habitat Project	53,975	9,525
	Description:	: The ob	jective of this project is to identify specific	habitat projects within the Willapa River watershed and p	prioritize the projects. Thes	е
	prioritized pro	ojects w	ill allow the Lead Entity to further update the	heir Strategic Salmon Recovery Plan to assure projects a	re planned, developed and	
	implemented	in a stra	ategic manner to allow salmon recovery to	be accomplished in a manner that is the highest benefit	to salmon and is the most c	ost
	effective.					
	Benefit to Med Good to obtain information, but unclear of the benefit of this project as the problems to be addressed and the need for the assessme salmon: were not clearly articulated. No real understanding of how the Willapa fits as a priority in the WRIA.				sessment	
	Certainty of Success:	Low	No methodology provided, but what was projects be determined and estimated?	provided indicated that the assessment is not comprehen	nsive of all limiting factors.	∕Vill
	Project Com	ments:	Similar concerns as stated for the Palix	assessment.		

			ille CD Lead Entity		
LE Ranking	Project#	Sponsor	Project Name	SRFB Request	Match Amount
	02-1461 R	Town of Ione	Cedar Creek Fish Passage Restoration	641,653	
	removing the 19 ft. Co	edar Creek Dam, reconstructing the strear er temperatures, and elimination of the ris	ect will restore fish passage to approximately 12 miles of m channel, and restoring riparian vegetation. Other bene k of dam failure. Cedar Creek is a tributary to the Pend 0 includes assistance from Department of Ecology, WDFV	fits include: restored Dreille River in northe	channel form and
	Benefit to Med Salmon:	12 miles above the dam, although allowing	ver a proper bull trout survey has not been conducted. T ig passage of non-natives may hinder resident bull trout Westslope Cutthroat trout due to introgression.		
	Certainty of Low Success:	barrier downstream of the project at River	the dam location, but achieving benefits to bull trout has r Mile 1, which needs to be addressed. Upon dam removelear how a weir could provide passage to bull trout and ect may affect fish populations.	al, another barrier w	rill be installed to
	bull trout surveys usir project proponent cor information is collecte introgression of West crossing). Also it is n	ng USFWS protocols for night snorkeling a nduct a snorkel survey for Westslope cutth ed, then the proposed project should be re- slope cutthroat trout with rainbow trout. The ecessary that the project proponent developed	trout use above the dam, it is highly recommended that the find a 95% confidence level (protocol is attached). Also, it roat trout and conduct an introgression study prior to renevalutated. The proponent needs to develop a thorough the project proponent should address the passage issue op and implement an exotic species eradication program nagement plan that addresses the above issues and inclination.	t is highly recommer noval of the dam. On n plan to inhibit or re- downstream of the d prior to the removal	nded that the nce this duce the am (private road of the dam.
	•		area due to the potential presence of a natural waterfall or feasibility of appropriate channel design for providing fi		ponent may need
	There is community s	upport for the removal of the dam.			

			County Lead Entity		
LE					
Ranking	Project #	Sponsor	Project Name	SRFB Request	Match Amount
	02-1585 R		Boise Creek Restoration (Enumclaw Golf)	887,352	
	Enumclaw. Boise C (about 20% of the ar	reek is one of the most productive tributary	on the Enumclaw Golf Course in southern unincorporated salmon streams in the White River Basin for chinook, sto gh the course. Much of the restoration will be accomplish	eelhead and coho. N	learly 4500 ft.
	Benefit to <b>Med</b> Salmon:	would complement the proposed project.	es use. The applicant response provided a better under The incremental benefit to salmon is moderate. The site relative short stretch (1500 feet) justifies the high cost.	e already has high fi	ish use and it is
	Certainty of <b>Low</b> Success:	The certainty of achieving the stated bene channel to a "restored" relic channel with	er understanding of the golf course issues and the propo- efits in a stretch where there is already high fish use by n wider buffers may be moderate. However, the increme ag channels can be risky. The new channel that is being	noving 1500 feet of ental gain is fish use	the existing compared to the
	-	pieces at \$264,500, golf course bridge \$40	or 1,500 feet of stream restoration. Specifically: Administ 0,250, and effectiveness monitoring \$92,375. This may l	_	-
	02-1582 C		West Hylebos Cr Restoration/Preservation	749,452	, -
	Federal Way. This p Using biostabilization Chinook, coho and c	roject will also restore spawning and rearing n techniques to decrease flow energy, incis thum salmon.	rvation project will acquire 73 acres of riparian and wetla g habitat for coho and chum salmon and cutthroat trout a ion of stream channel and streambank erosion this proje	along 2,500 linear fe oct will protect spawr	et along the creek ning habitat for
	Benefit to Med Salmon:	, , ,	stock) and cutthroat. Very limited production of chum, ch from about 100-125 per year (not a large quantity). Chir	,	,
	Certainty of Low Success:	weirs (bank stabilization) and remove inva area. They believe that as the gravels tra degraded. A bridge is a constriction, and that purchase of the property would prote	ms and constraints. In the project area, they plan to insta asive plants. There are landslides (natural) that feed gra avel downstream, they are resulting in aggradation. How there is a large amount of dikes/bank hardening farther ict the wetlands and riparian habitat, but low certainty tha ms that downstream impacts have impaired sediment tran	vels into the system ever, downstream, t downstream. There at the log jams and w	near the project he habitat is highly is high certainty veirs will address
	Project Comments:	: The technical panel has strong concerns	over the success of the restoration component of the pro	oject.	
	02-1579 R		Foothills Trail Culvert Replacement	172,878	
	Creek. The wetland The existing concret	habitat is less than 150 yards from mainste e culvert under the Foothills Trail is a total b	will open a large area of wetland refugia to juvenile salmo em South Prairie Creek, a priority stream for salmon reco parrier to fish passage due to a 1' perch with no plunge p meter aluminum culvert with spawning gravel in the inver	overy in the Puyallup lool, high velocity, a	River Watershed
	Salmon:	address multiple species.	to coho, which spawn in large numbers nearby. Did not	rate this high becau	ise it doesn't
	Certainty of High Success: Project Comments:	Culvert replacement.			
	. Toject comments				
	system in WRIA 10. that is sinuous, has	oroject will restore salmonid passage to Co The proposed solution is to open Coal Cre LWD, pools, riffles and riparian habitat that	Coal Creek Fish Passage Restoration al Creek in Auburn. Coal Creek is a tributary to the White sek by removing the existing culvert and constructing app will provide shade to the new stream channel. The trail v bricated steel bridge with weather coating to reduce main	proximately 150 feet will be reconstructed	uyallup River of new streambed
	Benefit to Med Salmon:		coho, a lower priority stock in their stock strategy (mixed off-channel habitat. Quality of habitat is good.	d, composite stock).	This is a total
	Success:		culvert replaced with a footbridge to open fish access.		
	Project Comments:	:			

5 of 10	02-1626 R	South Puget Sound SEG Horse Haven Watershed Restoration & Educ 216.933 58.637
5 01 10		South Puget Sound SEG Horse Haven Watershed Restoration & Educ 216,933 58,637 project employs a sub-basin approach to restoring and preserving Horse Haven Creek, a groundwater-fed tributary to the Puyallup River
	located on the left to improve rearing hal steelhead and cutth	bank at RM 19.08. This project, identified by the Puyallup River Watershed Council and developed with a previous SRFB grant, will bitat and will alleviate reed canary grass while educating local high school students. Horse Haven is utilized by coho and chum salmon an nroat trout. Creating a network of braided channels at the confluence will attract chinook fry as well. Planting native trees will shade out the nhibit future establishment.
	Salmon:	W Could be some benefit from the continued removal of Reed Canary grass and the planting of native riparian. Some use of the creek by chum, coho, steelhead, and cutthroat. There are additional problems upstream, and it was not explained how this project fits into a bigger restoration picture for this watershed.
	Certainty of Low Success:	The certainty for success of the braided channels appears low. There are insufficient data to support this type of activity. Floodplain, sediment, and riparian impacts exist in this area, and this project only addresses riparian issues. The other issues will require broader analysis. If they modified the project to restore riparian conditions, it might rate to medium.
	Project Comments	s: Monitoring program is very extensive and makes it look like a research/educational project.
6 of 10	02-1584 A	Cascade Land Conservancy South Prairie Creek Habitat Acquisition 425,000 75,000
	•	th Prairie Creek, the primary tributary to the Carbon River, is the most important salmonid spawning area in the Puyallup watershed,
	chum salmon and s	alf of all the wild steelhead in the Puyallup River system, the only significant run of pink salmon, and important returns of chinook, coho, sea-run cutthroat trout. This project proposes the acquisition of priority properties along S. Prairie Creek based on the results of the S. n Plan funded in the 3rd Round of SRFB grants in 2001.
	Benefit to <b>High</b> Salmon:	This is a high priority area with major production for multiple species. They seem to be choosing the properties based upon appropriate qualities.
	Certainty of High Success:	Specific information is needed for a higher rating regarding current habitat quality and the willingness of the landowner to sell.
	Project Comments	s:
7 of 10	02-1580 N	South Puget Sound SEG WRIA 11 & 12 Nearshore Restoration Ph 1 326,707 58,700
	development of pot including likelihood projects.	fiance line in 1912 and other developments. This project provides funding for biological and physical study of the project area and tential restoration projects. These sites will be selected according to criteria developed during the assessment portion of the project, of positive impact to salmon species, landowner willingness to allow and/or participate in restoration, and cost-effectiveness of potential
	Benefit to <b>Med</b> Salmon:	This is an important topic and deserves further consideration.
	Certainty of Low Success:	No specifics were provided regarding what data and how it would be collected. There should be additional work on this topic to determine these criteria, and then seek funding. The criteria should consider specific benefits to salmonids such as potential productivity (abundance), types of stocks (wild/hatchery, population status), and number of stocks (biodiversity).
	Project Comments	s:
8 of 10	02-1568 N	Pierce Co Conservation Dist WRIA 12 Freshwater Restoration Study 80,000 60,000
	<b>Description:</b> No to project will gather exproject can be char	thorough inventory has been made in WRIA 12/Chambers Clover Creek of barriers, habitat, and opportunities for restoration to date. This existing knowledge about the system into a comprehensive database such as has already been provided for WRIA's 10, 11 & 15. This racterized as a portion of "Stage 1" assessment of WRIA 12. The objective of this project is to provide a database of barriers to fish ity index surveys, and preliminary engineering (30% level) for from 5-10 habitat restoration projects in the freshwater portion of WRIA 12.
	Benefit to <b>Med</b> Salmon:	This basin provides habitat primarily for coho and chum. Highly urbanized area and the degraded habitat reduce the benefit. However it is likely that some good quality habitat could be opened from this project. Balancing those two conditions results in a medium priority
	Certainty of <b>Med</b> Success:	
	Project Comments	S:
9 of 10	properties within ea and analyzed for rip into a GIS layer of r	Pierce Co Conservation Dist  Puyallup/White/Carbon Acquisition Assess  397,625  222,756  project will develop a prioritized list of properties within the study area targeted for protection, and the acquisition of one or more priority ach Study Area. Detailed aerial photographs for the mainstem upper Puyallup River, Upper White River, and Carbon River will be acquired parian conditions. Channel conditions will be checked against existing information for the project reach. These analyses will be compiled riparian and channel conditions which will be delivered to Pierce County government, the Puyallup Indian Tribe, and other interested
		for future project selection and development.
	Benefit to Med Salmon:	Will examine mainstem properties along the upper Puyallup, upper White, and Carbon Rivers to identify high priority properties. While this study could result in protection of excellent floodplain and riparian habitat, there are other issues that will not be resolved such as hydrology and sediment.
	Certainty of <b>Low</b> Success:	
	Project Comments	s: Does not appear to be cost effective. The study should provide a greater geographical focus.

10 of 10	02-1564	N	Puget Cr Restoration Society	Puget Creek Beach Eelgrass Assessment	9,425	4,470
	Description:	The p	roposed project is a continuation of an exi	sting assessment/monitoring project, which is studying the	e health and state of	eelgrass beds in
	one section of	of the Ru	iston Way shoreline in Tacoma. This proje	ect utilizes divers taking still pictures and doing stem cou	nts in eelgrass location	ns
	correspondin	g to 1 m	. sq. quadrates set out along transect line	s. These dives are once a month. Also the study will util	lize underwater video	and GPS to
	document the	e locatio	n, size and extent of the eelgrass in a 200	,000 sq. ft. area of the beach. The location is Commence	ement Bay, the geo. s	scope is a
	200,000 sq. f	t. beach	section along Ruston Way, and targeted	species are Chinook, Chum, Coho, Cutthroat and Steelh	ead.	
	Benefit to Salmon:	Low	for salmonids, it isn't clear why this site w	of citizen interest, not fish benefit. Although it is well know yould be more important to fish compared to others in the eas prioritized based upon potential fish use.	•	·
	Certainty of	Low	Project doesn't specify a final product.			
	Success:					
	Project Com	ments:				

	Loui		Nation Lead Entity	rating	
			,		
LE	Dualant #	2	Ducia et Nava	0DED D	Madab A
Ranking 1 of 4	Project # 02-1531 N	Sponsor Quinault Indian Nation	Project Name Lake Quinault Fertilization	SRFB Request 609.967	Match Amount 108,700
	runsizes, escapemer Lake Quinault project low-level concentration secondary productivities Benefit to High	nts, and harvests have declined significantly t proposes to increase smolt sockeye produces ons of liquid fertilizer containing N and P over ty and correlating changes to juvenile sock	ly addresses a key limiting factor that limits salmonid pro	ockeye production. or y productivity through ization by examining or ductivity in a high productivity in a high pr	The fertilization of h the addition of g primary and riority basin with a
	Salmon:		ng was given because lake fertilization would directly be or limiting factor, and there are ongoing efforts to address		
	Certainty of Med Success:	increased growth rate and survival of the 196,000 sockeye, an increase of 366% at concerning the sustainability after fertiliza	efits in the proposal for the short-term is high. Increase of fry will result in increased smolt production. The potential bove the average of 42,000 adult fish over the past 50 ye tion is stopped. The Quinault ecosystem is staved for nu ake Quinault is not forever, only until salmon stock produ	al run-size of adults ears. Some uncertai utrients, due to the lo	is expected to be inty does exist ow adult returns.
	start the system to a	sustainable level so that a large number of	fully in Canada a number of years for enhancement purport returning adults will provide the nutrients to the system. comprehensive approach in developing a sockeye recover.	The applicant has	involved a
2 of 4	02-1439 R	County of Grays Harbor	Hulten Creek Barrier Culvert Correction	106,950	36,919
	spawning and off-cha streams that drain the	annel rearing habitat for: chinook, coho, che upper portion of this wetland corridor and ds that meander through old second growth.  This culvert replacement would provide a would benefit multiple species including chigher.	ter culvert is 4 feet in diameter and elevated 3 feet at the num, and sockeye salmon and steelhead and cutthroat tribits barrier removal would allow easy fish access to diver the timberlands bordering the Olympic National Park.  CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	out. Hulten Creek is rse habitat that inclu n of the upper Quina 6 based on surrogat	s one of two des 8000 feet of ullt River that te but likely much
	Success: Project Comments:				
3 of 4	02-1602 R	County of Jefferson	Donkey Creek Culvert	119,000	21,000
0014	<b>Description:</b> This p the Clearwater at RM Milepost 1.3, just sou	roject would replace a known fish barrier o I .22 below a large gravel bar locally knowr ith of Quinault Ridge road. WDFW staff ide	on Donkey Creek, a small tributary to the Clearwater Rive n as "Picnic Bar". The barrier consists of three concrete entified this barrier as one needing replacement in a Jeffe cutthroat, steelhead, and Dolly Varden/bull trout.	er in WRIA 21. Dor culverts under the C	nkey Creek enters learwater Road at
	Benefit to <b>Med</b> Salmon:		are considered 33% passable and would open access to teelhead and possibly chum and bull trout.	1.25 miles of strea	m habitat and
	Certainty of High Success: Project Comments:	The culvert replacement is relatively straig	ghtforward but fully achieving benefits depends upon ren	noval of upstream cu	ulvert.
	roject comments.				
4 of 4	on the tributary strea open bottomed arch	roject would replace a fish barrier culvert o m 110 feet above the Salmon River at RM will provide unimpeded access to 0.8 miles	Salmon River Trib 21-0143 CulvertBarrier on a WRIA # 21-0143 tributary to the Middle Fork of the S 13.4. Removal and replacement of this culvert with an a s of spawning and rearing habitat for coho, steelhead and est lands. This culvert was identified in a USFS culvert i	idequately sized culvidequately sized culvided to the culting and	culvert is located vert pipe arch or d provides access
	Benefit to <b>Med</b> Salmon:		er on the SF Salmon River that would provide improved a d steelhead. The limited amount of habitat accessed low		f good quality
	Certainty of High Success:	Some uncertainty exists about the culvert	or bridge design, but either way the project is likely to ac	chieve the stated be	nefits to salmon.
	Project Comments:				
	<u>l</u>				

			Co CD Lead Entity		
LE Ranking	Project#	Sponsor	Project Name	SRFB Request	Match Amount
1 of 2	02-1467 N	Friends of the San Juans	Herring Spawn Survey Ph III	97,518	
	spawning locations or protocols. Identifying	vith San Juan County. The objective of the	of eelgrass beds and spawn deposition site inventories to be assessments are to identify subtidal vegetation suppositions to be abitat gravel beaches and eelgrass beds is being conduct B grant cycles.	orting herring spawni	ing using accepted
	Benefit to Med Salmon:	eelgrass information and regulations. Or	rotection on non-eelgrass spawning areas that cannot alnot all the additional benefit is that these results can help them re		
	Certainty of High Success: Project Comments	Methodology appears to be appropriate.			
		•			
2 of 2	Description: This project will provide engineering & design specifications for a new bridge at Deer Harbor that impacts estuary/nearshore salmonid habitat. It will also compile the technical data to meet permit requirements for bridge construction, channel clearing, and establish baselines for post-construction restoration. Construction of the bridge has constricted tidal flux through the estuary, altered sediment deposition patterns, affected eelgrass meadows and reduced the amount of accessible habitat. There is broad community support at Deer Harbor for restoring salmonid habitats, in particular by replacing the existing bridge with one that is compatible with natural tidal flux and stream flows, as well as restoring native sub-tidal and inter-tidal vegetation. This is also a rare case of collaboration between a non-Indian community and an Indian tribe that has cultural and treaty interests in the watershed.				
	Benefit to <b>Med</b> Salmon:		t salmonids, but historically supported coho and chum. Thow this site would be prioritized with other similar areas.	This project appears	to be an
	Certainty of Success:  This project focuses on improving the bridge and restoring natural estuarine functions. It's good to see project proponents working watershed landowners to effect major renovations throughout the watershed to restore flow to Fish Trap Creek. It is imperative that issues be addressed in the watershed to achieve full estuarine function.				
		nds scaling back some of the work to focus	s only on core tasks surrounding estuary function and des e conceptual level to create design options), and D1.	sign engineering. In	the application

			echnical Panel Comments and tershed Council LE	9				
LE Ranking	Project #	Sponsor	Project Name	SRFB Request	Match Amoun			
of 18	02-1492 N		Wiley Slough Restoration Design	145,000				
	owned by WDFW an	project is to develop a 90% design to restor ad contains approximately 175 acres of forn	re tidal and riverine processes to an area currently isolate ner estuarine marsh and 16.3 acres of historic tidal chan ninook, Chum, Coho, Pink, Sockeye, Bull Trout, Steelhea	nel. Restoration of e	•			
	Benefit to <b>High</b> Salmon:		g factor for Chinook salmon in the largest Chinook-produ otential to open 16 acres lost within dikes and possibly pa					
	Certainty of Med Success:	which would not really restore natural pro	ainage for adjacent farms. The minimum restoration wouncesses (and be rated low). WDFW thinks it is highly unled 200 acres of Deepwater Slough, and they believe ther	kely to go as minima	al as SRTs. The			
	Project Comments:	: Great project. Glad it is number 1 on the	list, and hope it is fully implemented to completion.					
of 18	02-1616 R	Seattle City Light	Vandersar Restoration	170,000				
	property through a so Approximately 29.4 a will be replaced with	eparate fee-simple purchase. This area properties of riparian and wetland habitat will be bridges, restoring access to a 6-acre oxbooming.		k, Coho, Steelhead, sisting road crossing	and Bull Trout. s on the slough			
	Benefit to <b>Med</b> Salmon:		gh is important multi-species floodplain habitat (Chinook, The Anderson Creek portion of the project will predomina	•				
	Certainty of High Success:	The riparian restoration and replacement	of culverts with bridges are well-accepted techniques.					
	Project Comments:							
	will be removed and riparian vegetation.	setback adjacent to county road. The area The properties will be naturally restored to water effects are present at the site and is	on of 37 acres of mainstem habitat along the south fork S a riverward of the existing levee contains off channel and off channel/wetland and riparian habitat providing multip partially inundated twice daily by tidal activity.	high flow channels to benefits to 5 salm	with excellent on and 2 trout			
	Benefit to Salmon: The project will benefit all anadromous species and addresses a major limiting factor. It was rated medium because of the limited channel length and habitat area that would be restored. The project would have rated high if dike setback would have occurred on the opposite bank. It is unlikely to greatly increase the amount of high quality habitat. The proposed acquisition is on the inside of a meander bend with a dike remaining on the outer edge; therefore, the river is unlikely to form significant side channels within the newly undiked area.							
	Certainty of High Success:	This type of project has worked well in oth occur. Property has already been purcha	her areas, such as the Puyallup River. Applicant stated ased, and structures will be removed.	that complete remov	al of rock would			
	Project Comments: CONDITION: They should work with the Council's Restoration and Protection Committee to: determine fate of trees that need to be removed, oversee rock removal to assure that maximum floodplain interaction could occur, and management of invasive species. Great project.							
of 18	02-1561 R	City of Mount Vernon	Edgewater Park Off-Channel Restoration	333,000				
	Edgewater Park is in	the City of Mount Vernon and provides ke 1745N) determined the most cost effective	acres of restored off-channel sloughs and reconnect iso y protection and shelter habitat to all salmon species at v and sustainable method for restoring this area. A DNR A	various life stages. A	A SRFB-funded			
	Benefit to <b>High</b> Salmon:		ugh habitat, which is a high priority floodplain of the Skag es. The construction of off-channel sloughs and reconne	•	•			
	Certainty of <b>Med</b> Success:	Does not really restore natural processes maintenance.	and may require long-term maintenance. City of Mount	Vernon has commit	ted to			
	Project Comments:	Good opportunity to enhance public educ	cation and improve an important type of habitat.					

5 of 18	02-1563	R	Swinomish Indian Tribe         Fornsby Creek SRT         285,000         343,800
			elf-regulating tidegate (SRT) project is a fish passage and habitat restoration project located along the Swinomish Channel of the Skagit
			ect proposes to replace existing impassible tide gates with SRTs to enable passage, restore tidal influence to the channels, and increase
			or all salmonid species. The project will also restore 1.3 miles of the re-opened channel's riparian habitat. In total, the project will re-
	open more tr	ian 5 mi	es of channel to fish and improve over 50 acres of aquatic habitat.
	Benefit to	Med	The project will mostly benefit coho and partially restores some natural processes by opening about five miles of coho habitat and
	Salmon:	WEU	restoring 1.3 miles of riparian vegetation. While the wall-based channel has decent habitat with cool water, Fornsby Creek has warm
	Gairnon.		water temperatures, reaching upwards of 20oC.
	Certainty of	Med	There is a concern about warm water temperatures, and full natural processes are not being restored and because of this, it isn't rated
	Success:		high. There are further concerns about land use constraints to fully achieve benefits to salmon. The project sponsor wants to demonstrate that delta restoration can occur without saltwater intrusion into agricultural lands.
			demonstrate trial delta restoration can occur without satiwater initiasion into agricultural rands.
	Project Com	nments:	
6 of 18	02-1620	Α	Skagit Land Trust Minkler Lake Acquisition 237,150 41,850
0 01 10			oject proposes to purchase approximately 107 acres in and around Minkler Lake, which is a mile-long remnant oxbow lake located in the
			n. The property encompasses most of the lake and wetland system providing rearing habitat for juvenile Coho salmon and for sea-run
			access the lake through Childs Creek. SLT will also explore partnership and funding opportunities for preferred restoration options and
			ion, if appropriate.
	Benefit to	Med	The project will acquire 107 acres of Skagit River floodplain habitat, although primarily small creeks with moderate quality habitat
	Salmon:		conditions. The project primarily benefits a single species (Coho) and protects a habitat type known to be a limiting factor.
	Certainty of	High	Project will protect 107 acres of habitat. Coho have access to lake via Childs Creek but not Wiseman Creek. This acquisition is a high
	Success:	-	priority and ranked in upper third of middle Skagit comprehensive habitat inventory list. Property is adjacent to another wetland reserve
			area and protects a major feature of the floodplain landscape.
	Project Com	ments:	
7 of 18	02-1566	N	Skagit Land Trust Nookachamp Watershed Invent & Assess 34,850 6,150
	-	-	oject is to conduct an inventory of properties in the Nookachamps watershed to identify and prioritize areas in need of protection and
			essment also refines the current "combination project" evaluation system used by the Skagit Watershed Council. Nookachamps Creek
			num, Coho, Pink and Sockeye salmon, and Steelhead and Sea-run Cutthroat. Much of this watershed is under severe pressure for
	conversion in	om iore:	stry and agriculture to residential land use, as a large portion is in the Mt. Vernon urban growth area.
	5 60		
	Benefit to	Med	The watershed provides habitat primarily for coho. Limited quantities of habitat for other species exist, but are located in highly
	Salmon:		degraded areas. It's not clear how this drainage would be prioritized with numerous high priority drainages that require
			protection/restoration of watershed processes.
	Certainty of	Low	The goal of the project is to "preserve salmon habitat", but the Nookachamps has several major problems; most relating to agricultural
	Success:		land use. The Skagit Application of the Strategy rated the watershed "impaired" for peak flow, water quality, sedimentation, and ripariar
			conditions. It also is on the 303(d) list for several parameters (esp. temperature and nutrients) and has dikes in the lower watershed. It
			seems unlikely that much habitat will be identified for protection, as most will require extensive restoration to be functional (the most
			upstream properties are an exception, but they provide habitat to less species, plus fish will still need to go through the gauntlet
			downstream). Some problems such as land cover vegetation are unlikely to be restored.
	D : 10		
			Why was the Nookachamps chosen instead of other areas with more multi-species use and less degraded habitat? Of what use would
	it be to restor	e or pre	serve upstream habitat, when the lower reaches are so degraded? Project does initiate landowner contact.
8 of 18	02-1569	R	Skagit Fish Enhancement Group Skagit Fish Passage Improvement 339,489 59,910
			roject proposes to assess habitat conditions above 35 identified fish passage problems throughout the Skagit watershed, prioritize the
		•	nd implement 3 out of the top 10 identified projects. Approximately 20 miles of habitat is isolated as a result of the 35 barriers. SFEG will
	restore acces	ss to nig	n priority spawning and rearing habitat utilized by all 5 salmon species, Steelhead and Sea-run Cutthroat.
	Benefit to	Med	This is a medium benefit with the condition that they revise their list of 35 culverts after the Skagit System Cooperative and SSHIAP
	Salmon:		finish the GIS prioritization process for culverts (see below). Project will benefit primarily coho. The SSC is layering gradient and
			channel width onto the culvert map to coarsely find higher priority culverts. The culverts also will have fish use information and the
			extent of blockage information added to the maps so culverts that provide greater benefit can be addressed.
	Certainty of	Med	Straightforward assessment. It isn't rated high because no one knows which three barriers will be addressed, creating uncertainty to
	Success:	IVICU	the extent of benefits to be achieved (what if there aren't three barriers in this group of 35 that have a PI greater than 20 or so?).
	- Cu00003.		and salar s. Sentino to so domotod (mach and or and tames burners in this group of so that have at 1 greater than 20 01 50!).
	Project Com	monte	
	CONDITION		
			check their list of 35 culverts with potential revision, if higher priority culverts are identified. This coarse prioritization that takes into
		•	ockage (complete, partial, unknown), the quantity of blocked habitat, the type of blocked habitat (gradient), and number of species
	blocked.	,,	G ( , , , , , , , , , , , , , , , , , ,

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9 of 18		N	Skagit Conservation Dist Clear Valley Restoration Assessment 128,000	23,000
			assessment will evaluate habitat conditions on a 786-acre dairy farm east of Mt. Vernon, which is currently under negotia Ist for Public Land, and includes 660 acres of Skagit River and Nookachamps Creek floodplain. This project area encom	
			onid habitat, utilized by all species, and lacks riparian vegetation, has channelized streams, has isolated off-channel rearing	
			ilain, and filled historic channels. 30% design and engineering plans will be developed for high priority restoration project	•
	diccomiccica	поочр		.0.
	Benefit to	Med	This project is more focused in general than previous Nookachamps project, and geographically centered on the lower	reaches where
	Salmon:	Weu	more salmon species have been documented and where more habitat impacts exist. It was not rated high because it is	·
	Cullion.		predominantly a coho watershed and because there are serious habitat problems to overcome. It's not clear how Nool	
			watershed would be prioritized with other tributaries in the Skagit.	
	Certainty of	Med	Although an option to purchase this site has been obtained, this project depends on an acquisition that remains uncertainty	ain. The most
	Success:		important issue is that the study may find that causes to major problems might be outside of this land parcel and will be	e unable to
			address them, such as water quality, changes in land cover altering peak flows, and sedimentation.	
	Project Com	ments:	: If funded, the applicant should work closely with the Restoration and Protection Technical Committee to develop restor	ration options.
10 of 18	02-1571	R	Skagit Conservation Dist Beck/Hambright Fish Passage 15,500	4,100
10 01 10			project will remove a collapsed wood-and-earth farm crossing from the an off-channel slough of the Skagit River, and rep	
			nt bridge, which will open up approximately 1.1 acres of rearing habitat. The riparian vegetation along the slough is degra	*1
	primarily of bla	ackber	rry thickets and nettles, which will be removed and replaced with native riparian trees and shrubs. LWD will be placed in	the channel to
	protect the bri	idge an	nd provide habitat features for Coho and Sea-run Cutthroat.	
	Benefit to	Low	The fish passage improvement would open and enhance 1.1 acres of habitat across 400 meters of side channel slough	h in a priority
	Salmon:		floodplain area off of the Skagit River. This is rated low because it benefits a very limited number of species (coho) and	d has a very low
			PI (5.8).	
	Certainty of	Low	The fish passage improvement is straightforward, although the significant modifications that have occurred to the habit-	at uncertainty
	Success:		about current water quality and temperatures, and a partial barrier downstream lowers the certainty of achieving signific	
			The bridge span is too short and the remaining restoration has some uncertainty (riparian maintenance).	
			, , ,	
	Project Com	ments:	:	
11 of 18	02-1631	R		
		1.	Skagit Fish Enhancement Group Ennis Creek Restoration 337,025	59,475
	Description:	The p	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders	sized culvert, to
	Description: its historic cha	The pannel a	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream chann	sized culvert, to nel will be re-
	Description: its historic cha created, spaw	The pannel a vning ha	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream chan nabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is	sized culvert, to nel will be re-
	Description: its historic cha created, spaw	The pannel a vning ha	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream chann	sized culvert, to nel will be re-
	Description: its historic cha created, spaw result in a gair	The pannel a vning han of at	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.	sized culvert, to nel will be re- s anticipated to
	Description: its historic cha created, spaw result in a gain Benefit to	The pannel a vning ha	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier by	sized culvert, to nel will be re- s anticipated to
	Description: its historic cha created, spaw result in a gair	The pannel a vning han of at	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier b and will be replaced by a bridge.	sized culvert, to nel will be re- s anticipated to out is undersized
	Description: its historic cha created, spaw result in a gain Benefit to Salmon: Certainty of	The pannel a vining had not at Med	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier by	sized culvert, to nel will be re- s anticipated to out is undersized
	Description: its historic cha created, spaw result in a gain Benefit to Salmon:	The pannel a vining had not at Med	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier b and will be replaced by a bridge.	sized culvert, to nel will be re- s anticipated to out is undersized
	Description: its historic cha created, spaw result in a gain Benefit to Salmon: Certainty of	The pannel a wring har n of at Med	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier be and will be replaced by a bridge.  The property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in	sized culvert, to nel will be re- s anticipated to out is undersized
	Description: its historic chacreated, spaw result in a gain Benefit to Salmon: Certainty of Success:	The pannel a wring har n of at Med	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier be and will be replaced by a bridge.  The property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in	sized culvert, to nel will be re- s anticipated to out is undersized
12 of 18	Description: its historic chacreated, spaw result in a gain Benefit to Salmon: Certainty of Success:	The pannel a wring har n of at Med	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier be and will be replaced by a bridge.  The property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in	sized culvert, to nel will be re- s anticipated to out is undersized
	Description: its historic chacreated, spaw result in a gair  Benefit to Salmon: Certainty of Success: Project Commode.  02-1618 Description:	The pannel a vining hand of at Med  Low  Ments:	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier b and will be replaced by a bridge.  The property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the project is to acquire a 27.8 acre conservation easement along ~650' of Anderson Creek, a tributary to the Skagit River, we	sized culvert, to nel will be reseanticipated to out is undersized in a limited area.
	Description: its historic chacreated, spaw result in a gair  Benefit to Salmon: Certainty of Success: Project Commode.  02-1618 Description:	The pannel a vining hand of at Med  Low  Ments:	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier b and will be replaced by a bridge.  The property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the strange of the property ownership and landowner willingness remains uncertain.	sized culvert, to nel will be reseanticipated to out is undersized in a limited area.
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12 of 18	Description: its historic chacreated, spaw result in a gain Benefit to Salmon: Certainty of Success: Project Commoderate Commo	The pannel a wring han of at Med Low Med The pum, Co Med High ments: R The ps. The ps. The ps. The person of the parrier error of the p	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier by and will be replaced by a bridge.  The property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the property ownership and landowner willingness remains uncertain, and there is uncertainty to the Skagit River, we only one and Cutthroat. The property is east of Sedro Woolley and contains a mature riparian forest, protecting spawning and and Cutthroat. The property is east of Sedro Woolley and contains a mature riparian forest, protecting spawning and The conservation easement will be on approximately 28 acres including habitat for chum and coho on 1300 feet of two priority area of the Skagit strategy. The limited area of protection lowers the benefits.  Skagit County will hold the easement.  The project has a very low cost.  Skagit Fish Enhancement Group  NP Creek Fish Passage Improvement  To 2,214  Skagit Fish Enhancement Group  NP Creek Fish Passage Improvement  To 2,214	sized culvert, to nel will be research and imited area.  11,220 hich provides direaring habitat.  streams in a  13,979 ot beam bridge pon a previous on between the
12 of 18	Description: its historic chacreated, spaw result in a gain Benefit to Salmon: Certainty of Success: Project Commoderate Commo	The pannel a wring han of at Med  Low Med  The pum, Co  Med  High  The ps. The ps. The parrier e barrier  Med	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream chain tabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier b and will be replaced by a bridge.  The property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the property ownership and landowner willingness remains uncertain, and there is uncertainty to the Skagit River, we can add cutthroat. The property is east of Sedro Woolley and contains a mature riparian forest, protecting spawning and the conservation easement will be on approximately 28 acres including habitat for chum and coho on 1300 feet of two priority area of the Skagit strategy. The limited area of protection lowers the benefits.  Skagit County will hold the easement.  The project has a very low cost.  Skagit Fish Enhancement Group  NP Creek Fish Passage Improvement  79,214  project is to remove an old driveway bridge and concrete sill on NP Creek, a tributary to upper Samish River, with a 35-fo project will provide access to 1.5 miles of spawning and rearing habitat for Coho, Cutthroat, and Steelhead, and builds upproject will provide access to 1.5 miles of spawning and rearing habitat for Coho, Cutthroat, and Steelhead, and builds upproject will provide access to 1.5 miles of spawning and rearing habitat for Coho, Cutthroat, and Steelhead, and builds upproject will provide access to 1.5 miles of spawning and rearing habitat for Coho, Cutth	sized culvert, to nel will be research and imited area.  11,220 hich provides direaring habitat.  streams in a  13,979 ot beam bridge pon a previous on between the
12 of 18	Description: its historic chacreated, spaw result in a gain  Benefit to Salmon: Certainty of Success: Project Commodulation 02-1618 Description: habitat for Chabitat for Chab	The pannel a wring han of at Med  Low Med  The pum, Co  Med  High  The ps. The ps. The parrier e barrier Med  Med	project will move Ennis Creek, which runs in a ditch for 1,000 feet before flowing into the Samish River through an unders across the road. A new bridge crossing will be installed with help from Whatcom County and 600 feet of old stream channabitat will be enhanced through natural gravel deposition, and LWD will be installed for habitat complexity. The project is least 3,716 sq m of Coho, Steelhead and Cutthroat spawning habitat, alleviate fish stranding and redd damage.  While mostly benefiting a single species (coho), it will also partially restore natural processes. Culvert is not a barrier by and will be replaced by a bridge.  The property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the property ownership and landowner willingness remains uncertain, and there is uncertainty with re-channelization in the staget to acquire a 27.8 acre conservation easement along ~650' of Anderson Creek, a tributary to the Skagit River, we oho and Cutthroat. The propect has a very low cost.  Skagit County will hold the easement.  The project has a very low cost.  Skagit Fish Enhancement Group INP Creek Fish Passage Improvement 79,214 project is to remove an old driveway bridge and concrete sill on NP Creek, a tributary to upper Samish River, with a 35-fo project will provide access to 1.5 miles of spawning and nearing habitat for Coho, Cutthroat, and Steelhead, and builds upper that was removed a comment of this site. During the '01/'02 spawning season, SFEG recorded 2,933 live Cere. Spawning area i	sized culvert, to nel will be research and imited area.  11,220 hich provides direaring habitat.  streams in a  13,979 ot beam bridge pon a previous on between the

44 (540	00.4050	_	
14 of 18	tributary to the anchor log jar	e Skagit ms, in ri	Skagit System Cooperative Finney Creek Riparian Restoration 210,592 37,164 urpose of this project is to restore shade-tolerant conifer species such as Cedar and Hemlock to riparian areas of Finney Creek, a t River. Conifers, which grow larger and decay slower, are needed to improve cover habitat, to form pools, to capture sediment and to parian areas dominated by young stands of hardwoods. Restoration activities include planning the trees, eliminating shrub competition,
			r existing alders to provide growing space for conifers. Finney Creek supports all five salmon species.
	Benefit to Salmon:	High	The project addresses the problems of a lack of conifer LWD and pool habitat in a medium sized stream used by multiple species of salmon. The project will restore 8,000 feet of stream length over the long-term.
	Certainty of Success:	Med	There is some uncertainty with the long-term success of the conifer restoration, plus the project needs cooperation from the private timber company. However, many of the sedimentation problems upstream of this have been addressed.
	Project Com	ments:	
15 of 18	historically pa	art of a la	Skagit County Public Works Telegraph Slough/Knudson Acquisition 1,000,000 1,000,000 1,000,000 roject is to acquire the "Knudson Trust" property, a 200-acre site containing intact, yet isolated, salt water oxbow/slough habitat, arger slough system connecting to Padilla Bay and the Swinomish Channel. The property, located between State Route 20 and
			step to restore critical estuary aquatic habitat to support the recovery of both Chinook salmon and Bull Trout. Future restoration econnecting the isolated remnant channels and oxbows will be based on a future feasibility study of the area.
	Benefit to Salmon:	Med	The project is acquisition only of isolated habitat. If fully restored, this area will provide important rearing habitat for multiple species and the benefit then would be high. Because partial restoration was not proposed with project, and it is not accessible to fish in its current state, it is unfortunately rated medium at this time. With further development on these issues, it could be a great project.
	Certainty of Success:		The future of this property is very uncertain because no restoration alternatives have been identified and/or developed, and the proposed flood control project could impact the site (a flood bypass might run through this property).
	Project Com	ments:	
16 of 18	02-1641	N	Skagit County Dike Dist #12 Whitmarsh/Gages Levee Setback Assessment 104,000 25,000
	riparian habita assessment i	at along nclude (	roject will provide an assessment and preliminary design of a restoration project to restore off-channel sloughs, wetlands and adjacent 5,000 feet of the Skagit River after moving levees 600 feet back from their current location. The main elements of the proposed (1) landscape processes, hydrology, and geomorphology, (2) habitat conditions and biological functions, (3) land use and community ment and assessment of alternative restoration approaches, and (5) design of preferred alternative.
	Benefit to Salmon:	Low	Current status of project area is highly degraded. Parcel size and configuration are relatively small and may not be adequate to restore natural processes. The project would benefit multi-species.
	Certainty of Success:	Low	This is an assessment to artificially construct off-channel habitat. It's not clear where the old channels were located. There is a great deal of uncertainty for achieving significant benefits to salmon because of remaining acquisition needs and significant restoration work over a generally limited and isolated area.
	Project Com	ments:	
17 of 18	02-1640	С	Skagit Conservation Dist Johnson Acq & Riparian Restoration 115,200 27,560
	Samish River	This a source,	roject is to acquire 46 acres and restore the riparian areas along ~200' of Swede Creek and ~15 acres of its floodplain, a tributary to the area provides habitat for Chum, Coho, Cutthroat and Steelhead. The issues being faced on this site include a lack of riparian vegetation, food and prey input, surface water infiltration and filtering, etc.) The landowner wishes to sell to a conservation entity, but he is also others.
	Benefit to Salmon:	Med	The project protects a moderate quantity of habitat consisting of 2000' of Swede Creek, 1500' of an unnamed tributary, and 15 acres of floodplain that primarily benefits coho. The site was logged 10-20 years ago and is 75% forested. Currently the riparian habitat is good on one side of the stream, but poor on other. The significant amount of upland habitat on the property and small area of habitat limits the benefits to salmon.
	Certainty of Success:		
	Project Com	ments:	
18 of 18	and the 50,00 easement (3r	00 m2 po d Rd. S	County of Skagit Inner Hart Slough Habitat Enhancement 245,900 45,000 oject is to design and implement the enhancement of 4,600 m2 of existing Hart Slough side channel habitat between the Skagit River ond on inner Hart Island. Also, 22,000 m2 of agricultural land will be planted with native vegetation and placed in a conservation RFB project, 01-1341A). As outlined in the Hart slough feasibility study (GSRO project, 99-1945N) the inner pond is isolated much of the instant flows, and needs improved ingress and egress for juvenile salmonids.
	Benefit to Salmon:	Med	This habitat enhancement project could provide benefits to multiple species, but information on species use was limited, and the project does not address some of the other significant watershed processes that are limiting salmon use of the area.
	Certainty of Success:	Low	The technical panel had great concern over potential maintenance issues, such as filling in with sediment and flow issues. The engineering hasn't been done to assess these issues.
	Project Com	ments:	

		LCU	d Entity Ranking and	e River Lead		ina rating		
			Silar		Littly			
LE Ranking 1 of 4	<b>Projec</b> 02-1544	t# R	Sponsor Columbia Conservation Dist	Tucannon River Scr	Project Name eens Phase 2	SRFB Reque	est Match A	Amount 20,568
	Description: identified and watershed. R	: This p d obligat Regional	oroject provides a cost share to landoved 40 screens for diversions on privately, fish barriers and screens are the hind steelhead. Partners include WDFW	vners in the Columbia CD e properties. This project, ghest priority for action du	's and WDFW's Voluntary Scr Phase 2, identifies and funds ue to immediate and long-term	reen Compliance Prog additional screens in benefit for ESA-listed	ram. Phase 1 the Tucannor	n
	Benefit to Salmon:	Med	Would screen 20 diversions in a high mortality of fish, but stream restoration			-		direct
	Certainty of Success:		Project proponent has a high succes		projects.			
	Project Com	iments:	Screening projects will be monitored	and regulated by DOE.				
2 of 4	02-1543	R	Walla Walla Co Cons Dist Valla Walla Conservation District, in co		Fish Screens & Meters		,646	56,232
	small, urban steelhead an	irrigatior d reintro	n pump diversions on fish bearing stre duced spring chinook and the mortali mpliance Program, the Department of	ams in and around the cit ty of juvenile salmonids do	ies of Walla Walla and Collegue to entrainment in irrigation	e Place. This will add	ress low flows	for
	Benefit to Salmon:	Med	Would screen up to 100 diversions in increases in stream flow. Benefits a Creeks. Screening would help prevent direct achieve benefits to fish.	re medium due to highly u	irbanized or modified stream	systems in Mill, Yellov	hawk and Ga	arrison
	Certainty of Success:	Med	Project proponent has a high succes rights need to be verified with DOE t fish. Other avenues for conservation questionable.	efore any project is imple	mented. There is no guarante	ee that water savings	will stay in stre	eam for
	Project Com	ments:						
3 of 4	identified and watershed. R	d obligat Regional	Columbia Conservation Distoroject provides a cost share to landoved 30 screens for diversions on privatly, fish barriers and screens are the hind steelhead. Partners include WDFW	e properties. This project, ghest priority for action du	's and WDFW's Voluntary Scr Phase 2, identifies and funds ue to immediate and long-term	reen Compliance Prog additional screens in benefit for ESA-listed	the Touchet	
	Benefit to Salmon:	Med	Would screen 30 diversions in a pric but stream restoration work and flow	•		•	lirect mortality	of fish,
	Certainty of Success:	High	Project proponents have a high succ		• •			
		ments:	Screening projects will be monitored	and regulated by DOE.				
4 of 4	02-1604	R	Nordheim Family	Nordheim Riparian E			,337	3,237
	steelhead spa	awning a at. Ripa	parian enhancement project is locate and rearing area. This project will veg rian buffer establishment will improve nks, and provide for organic debris re	etate a riparian buffer, dev habitat by increasing buffe	velop an off-site watering syst er filtration function and shadi	em, and fence out live ng, reducing direct se	stock to impro	ove
	Benefit to Salmon:	Med	Some benefit to steelhead by address a high priority stream. The stream d	•	· ·	•	ding cattle, the	ough not
	Certainty of	Med	The landowner is highly motivated w	ith the ability to meet the	project chiestive Project cons	nach is straightforward	t utilizina o n	roven
	Success:	ou	technique.	, <b>,</b>	project objective Project appro	oacii is straigittioi wart	i, utiliziriy a pi	

			* *	echnical Panel Comments : Smish LE (WRIA 7)		
LE Ranking	Project :	#	Sponsor	Project Name	SRFB Request	Match Amount
if 10		A This n	Cascade Land Conservancy	Pearsons Eddy Acquisition on the lower Snoqualmie River. Federal funds will	367,00 I be leveraged to purchase	
	easement on t including 2 mil	he pro es of S	perty and for restoration of the site. Thes noqualmie River shoreline. The reach ha	ne properties are part of a large-scale conservation as been identified as a critical corridor for Chinook anited and the Natural Resource Conservation Servi	effort to acquire and restor and other salmonids migra	e 560 acres,
	Benefit to Salmon:	Med	Action Agenda and the specified focus floodplain. This project borders Focus and being marketed for development. In channel areas will be inaccessible to fis subsequent to restoration are the improventiand areas.  This acquisition, without restoration, ha	ng factors of loss of floodplain and off-channel proc area (III) of the strategy through acquisition of these Area III but is not specifically identified in the near t dowever, the benefit of the acquisition is dependent th until the dikes are removed and restoration occur evement of off channel habitat access and riparian of s limited benefit due to the degraded nature of the	e and other parcels in the serm action agenda. Prope on future restoration as the serm action as the serm action as the serm action as the conditions associated with parcels and limited amount	Snoqualmie rties are for sale e floodplain and o this project the off-channel an of off-channel
			fairly limited due to the existing physica longevity and condition of off-channel a	at impounding water in this floodplain could cause I constraints (rip-rap throughout the reach, backwar rea and wetlands) of the area and design constrain	ter nature of the off-channe tts (not removing rip-rap, po	el area limiting ossible SRT).
	Certainty of Success:	Low	mutually exclusive and greatly affect the the expected function of the area. Curr None of which will achieve full floodplai	for successful restoration, though objectives and me benefit to fish. The primary concern relates to the ently the proposed function may include ponding st in function or restoration. The certainty that this acq degraded and diked and the benefits to fish depention will enable the removal of dikes.	indefinite decision on the intructures with tide gates, be usition will accomplish its	restoration type an erming or fishways stated benefits for
			The primary concern relates to the bene sponsors stated that the dikes on the presignificantly limit the restoration of flood habitat in the channel and the riparian winderstand the need to balance restoration.	tners shows high certainty of following through on teffits that can be achieved due to limitations stated is reperties would not be removed. This, combined with plain processes. These limits on natural processes regetation, as this is a backwater channel without a dition needs with protection of adjacent landowners, connecting the floodplain to the river by removing thing adjacent landowners.	in the future restoration pla th dikes on downstream pr s may affect the long-term in upstream connection to but in this case, the benefi	ns. The project operties will viability of the he main river. We ts to fish through
			Proposal is for acquisition-only costs fo is dependent on federal budget issues.	r 2 parcels of a larger floodplain project, but additio	nal acquistion funds are ex	pected thru the
of 10	Description: other salmonic comprehensive	ls on the	ne Snohomish River, downstream from the scale analysis already completed by Sr	Snohomish R Confluence Reach Restoration on three miles of important spawning, rearing, migrae confluence of the Skykomish and Snoqualmie riphohomish County. Restoration at three identified sit f-channel areas, and breach design at two dike site.	vers. Restoration will be ba	or Chinook and sed on a
	Benefit to Salmon:	High	focus area (II) of the Snoqualmie River. options will lead to further improvement	ration of 80 acres of riparian vegetation and 3 acres. Riparian revegetation is already occurring in the at of off channel habitat and floodplain processes; hotherefore limiting full floodplain restoration. There is tell as pink, chum and cutthroat use.	area. Evaluation and designwever the applicant stated	n of dike breachin that they will
	Certainty of Success:	Med	constraints to the project. Restoration	n/if) phase III is completed? The location of the Deplans have been developed following a reach level of for most of project area is public, providing good on the Snohomish County council.	analysis specific to develo	ping project
	Project Comn Highway #522			es, but there are some areas of riprap. This projec	t will remove a small area o	of riprap below the
	It is suggested		Ill removal of the dikes should occur sind			

3 of 10	02-1609	N	County of Snohomish Skykomish R Braided Reach Restore Assess 150,000 3	5,000
3 01 10			kykomish River between the cities of Goldbar and Sultan is known as the braided reach. While high quality salmonid habitat is still	_
	collection and	d analys	reach, other areas have been highly modified. This proposal is to conduct a comprehensive reach-scale analysis, including data is of channel morphology, floodplain topography, hydrology, hydraulics, and riparian conditions and habitat for Chinook and other are to fill data gaps and to flush out the ideas proposed in the nearterm strategy into effective restoration projects.	
	Benefit to Salmon:	Med	Project is looking for restoration opportunities. Reach level assessment of a documented spawning and rearing area for multiple species of salmonids. Future projects could benefit multiple species and life stages and provide baseline for monitoring. The proj located in an identified focus area (X) of the Snohomish watershed. The reach is moderately degraded with two areas where the Highway constrains the channel, but still supports salmonids. The primary concern appears to be the possibility of future developing in the floodplain area, leading to further constrictions.	
	Certainty of Success:	High - C	Project is looking for pools and LWD in a dynamic equilibrium system. Similar analysis completed for the Snohomish confluence which has led directly to restoration project identification and development proved to be necessary.	each,
	Project Com CONDITION: Although not	:	dentified in the analysis protocol, we would like to see some evaluation of ownership, likelihood of development and potential owne	rship
	constraints be	e part of	the assessment to increase the certainty of developing the most beneficial projects.	
4 of 10	02-1643	N		0,000
	has been sele 1.1 miles of the salmonids, in	ected, a he Tolt F cluding	ibility study proposed and analyzed four restoration options for the Lower Tolt Floodplain Reconnection project. The preferred alter nd King County and the City of Seattle will complete the design, permits, and monitoring plan to restore active floodplain area in the River by setting back levees and naturalizing the restored floodplain area. This project will improve spawning and rearing conditions Snoqualmie fall chinook that spawn in the Tolt River in large numbers, comprising 17.5% of annual escapement.	lowe
	Benefit to Salmon:	High	Project is the design for a dike removal and floodplain restoration project chosen as the preferred alternative from a SRFB funded feasibility analysis. The preferred alternative restores access to 60 acres of floodplain through levee setbacks in a county park an increases potential spawning and rearing habitat in the lower 1.7 miles 2 -3 times. Tolt River provides significant spawning for fall chinook as well as other salmonid species.	d
	Certainty of Success:	High	Feasibility analysis clearly outlined benefits to salmon and trade-offs between project alternatives. Chosen alternative appears to provide best cost-benefit given limitation of a major highway through the project area. Applicant clearly identified physical goals of restoration project. Project area is in County owned park. Primary uncertainty is finding funding to implement the project once designed. Project cost is estimated at \$1.9 million.	f the
	Project Com	ments:		
5 of 10	02-1637	Α	Cascade Land Conservancy Snoqualmie River - Chinook Bend 226,312 4	0,000
	anadromous will complete	fish, incl	arcels and an access easement, bordering one of only two stretches in the Snoqualmie River that provides spawning habitat for uding pink, chum, steelhead, and ESA-listed Chinook, will be acquired. Acquisition of these forty-eight acres with a half mile of sho lic ownership of contiguous properties bordering this critical spawning channel located below the confluence of the Tolt River in Completing this contiguous band of public ownership protects intact habitat and provides future restoration opportunities.	
	Benefit to Salmon:	High	Acquired properties help the consolidation in a focus area to protected status and increases the restoration opportunities in the real Property is in a key location for future restoration and has riprap on-site that may be removed in the future depending on land use classification requirements and restoration plans. Properties upstream still are in unprotected status and could prevent some restoration options. Documented spawning of 20-25% of Snoqualmie Chinook in this area, it provides spawning for multiple speciand is a heavily diked reach in need of restoration to increase rearing potential. Consolidation of ownership increases likelihood of meaningful restoration.	es,
	Certainty of Success:	Med	Project needs to maintain agricultural use on the property and at this time the applicant could not say what constraints this may have the ability to restore the property and remove riprap from the property. Potentially tied to Focus Area IV study project proposal #0: 1466.	
	Project Com	ments:	Applicant has started some discussion with WDFW about options for Stillwater Wildlife Area. Funding for full restoration is not in particular to the property of the property	olace.
6 of 10	02-1639	R	King County DNR & Parks Raging River Preston Reach Levee Removal 200,000 5	0,000
	vegetation in fining of bedle	the ripa oad mat	jective of this project is to restore natural conditions to a reach of the Raging River by removing 1300 feet of levee and restoring nation corridor. The anticipated results include reconnecting the floodplain area to the river, establishment of a multi-threaded channel erials, increased ability to recruit large woody debris, and increased habitat complexity resulting in improved spawning and rearing k, coho, and chum salmon. The King Conservation District will contribute a grant to this project.	ıl,
	Benefit to Salmon:	Med	Restores floodplain processes in a moderately unconstrained area of a relatively steep and confined area of the Raging River. Approximately 20 – 30+% of Snoqualmie Chinook spawn in the Raging River. Improving spawning habitat could provide additional more successful spawning area. Medium benefit is due to the naturally constrained and higher gradient nature of this part of Raging River and the need to protect the road. There is clear benefit from the side channel area and good potential for affecting gravel so locally. Overall benefit to spawning Chinook may be affected by the fact that the primary spawning area downstream is on private that may threaten overall long-term success of Raging River spawners.	ng orting
	Certainty of Success:	High	Project proposes full removal of the levee and improvements to the property where other structures were already removed. Spons showed detailed budget to explain cost.	or
	-		It is suggested to construct and then monitor the channel cross-sections and longitudinal profile to assess objectives of sediment and multiple channel development.	

7 of 10	02-1642	R	Tulalip Tribe Alpine Baldy Road Decommission 91,200 27,600
7 01 10			project proposes to decommission 6 miles of United States Forest Service roads in the Tye River watershed in the upper Skykomish
			is to restore and stabilize slopes where thousands of cubic yards of fine and coarse sediments have failed over the last decade from road
	prisms and s	lopes, a	iffecting perennial streams that have provided high quality feeding and rearing habitat for salmonid juveniles, including coho and chinook.
	The reaches	of the T	ye River near the mouths of these streams support all five salmonid species and bull trout.
	Benefit to	Med	The project does directly address a problem related to excessive sediment delivery to the stream channel that affects the condition of
	Salmon:		spawning and rearing habitat downstream in the Tye River. Although not in an identified focus area, multiple species of salmonids
			utilize this area of the Tye. Headwater location is an appropriate area for dealing with sediment sources; however, direct benefits to key
			salmon population centers may be limited. Benefit is greatest in the long-term. Project is a long distance from a watercourse, with lots of roads in the area, and land use is not necessarily changing.
	Certainty of	Med	High sediment load in the area may already may obscure results of this project. Sponsor has completed similar road decommissioning
	Success:		projects in the area, but we are uncertain that the scope of this road decommissioning project will address larger mass wasting issues
			there. While the project would result in a reduction of the deliveries of fine sediment, it may not be enough of the right thing.
	Project Com	ments:	
8 of 10	02-1466	N	King County DNR & Parks Snoqualmie Focus Area IV Restoration 25,000 5,000
0 01 10			ualmie River Focus Area IV is downstream of the confluence with the Tolt River and provides spawning habitat for chinook. This project
	will evaluate	current	conditions and develop a set of restoration objectives and options along with a feasibility analysis, focusing on restoring ecosystem
	processes to	the cha	innel and floodplain. Focus areas include hydrology, floodplain functioning, channel meandering and geomorphology, riparian health, and
	sediment der	osition	and transport. More than 500 acres is in public ownership, providing substantial opportunity for restoration.
	Benefit to	Med	Although documenting habitat conditions and restoration opportunities is necessary, this project would have greater benefits if it were to
	Salmon:		evaluate, model and develop conceptual restoration plans for the area so that a feasibility study is not required next and projects can be
	Guilloin.		designed and implemented as the next step. Would like to see this project done in two phases, not three. Application was not clear that
			full feasibility would be completed as part of this project.
			Tall reads and the compressed at part of all a project
	0		This is a small assistation big factor. This is the small assistant for the small and discount of the small assistant and a factor with the small
	Certainty of Success:	Mea	This is a small project in a big focus area. This is very conceptual project. End result should lead directly to projects, not a feasibility study, as next step.
		monts:	Avoid merely cataloging. Go directly to a feasibility study. Could get higher benefit and certainty if proposed an actual feasibility study
	-		atalog of options or feasibility analysis. It appears that they already know what is possible since most of the properties are in public
			been evaluated.
	CONDITION		
	This project s	hould h	nave a minimum 30% design for preferred restoration approach at project completion.
9 of 10	02-1576	N	County of Snohomish WRIA 7 Culvert Analysis & Prioritization 76,217 13,451
	Description:	Snoh	omish County proposes to integrate all available lists of culverts in WRIA 7 into a GIS database that will be used to prioritize and
	sequence fut	ure fish	passage projects, as well as identify data gaps. Field surveys within WRIA 7 focus areas will resolve data gaps and calculate the Priority
	Index for bloc	cking cu	liverts. This work will lead directly to projects that address fish passage barriers that are most critical to salmon recovery in WRIA 7.
	D C1		
	Benefit to	Low	Sponsor is working from known list only, not new information, and it is not comprehensive. Inventory is limited to county land – will not
	Salmon:		identify other culverts that could be barriers in the same areas. Should find a partner that can handle the private land areas.
	Certainty of	Low	This is a road-based inventory, and does not include full stream assessment. Project is not finding new barriers. This is not a stream
	Success:		assessment.
	Project Com	ments:	
10 of 10	02-1481	R	Snohomish Co Conservation Dist Riley Slough Passage Project 254,220 94,800
10 01 10			roject will replace up to eight undersized culverts with concrete slab bridges on private properties in Riley Slough, a tributary to the
	-		rkomish watersheds. Improving passage will increase access to upstream habitat and improve potential off-channel rearing habitat for
		-	cutthroat and bull trout during low and high flow periods. Fencing and riparian vegetation will be installed where needed to enhance the
			stance with the project will come from the Adopt-A-Stream Foundation, private landowners, and volunteers.
	Benefit to	Med	All are partial barriers except at the northeast end of project area. This is a continuation of ongoing restoration project in Riley Slough.
	Salmon:	wica	There are concerns about the level of fish use despite available access and improvements. Flows are intermittent in the area. Project
	Sairion.		combines passage with riparian restoration in a holistic approach. However, it is not addressing one of the primary problems problems
			mentioned during the evaluation, the access to Haskell Slough due to presence of dike.
			monutarious summy the evaluation, the access to Haskell Slought due to presence of dike.
			<u> </u>
	Certainty of	Low	To date, there are incomplete landowner agreements for all culverts. Project success is dependent on landowner agreements for all
	Success:		barriers, particularly at the downstream end. Bridge slabs may not have an adequate span and that could greatly affect slough
			processes and cost. May not receive a HPA. Costs are low for bridges, but important to meet site conditions. Flow issues may limit
			project success for fish. Some question whether these improvements are going to increase fish use in total project area.
	_		
	Project Com	ments:	
ı	1		

			Stillagua	amish LE (WRIA 5)			
LE							
Ranking	Project #	Spons	sor	Project Name		SRFB Request	Match Amount
of 8	02-1589 C	Cascade Land Conser		Smoke Farm North Floodplain Acq & Rest		283,000	
				including a ¾-mile stretch along the North Forlho, chum, cutthroat, steelhead, and bulltrout w			
				el sloughs and beaver ponds, and riparian dive			•
			•	h County, and the landowners.			
	Benefit to Hi	gh There is potentially high	gh quality habitat al	ong the North Fork Stillaguamish River that wo	ould benef	it multiple species. R	estoration would
	Salmon:		of off-channel rear	ing habitat. Side channels and beaver ponds			
	Certainty of <b>Hi</b> Success:	•	' '	relies on dike removal and other restoration wo place for this to happen.	ork beyond	the scope of the cur	rent project, but
	Project Comme	nts:					
of 8	02-1606 R	Snohomish Co Conse		Oso Loop Rearing Habitat Restoration		105,715	
	-		•	onditions along 2,690 feet of off-channel rearin ocation of the roadside ditch system into a remr	-		-
				pho, chum, and pink salmon and cutthroat trout			
	, ,		•	Vater District, Stillaguamish Tribe, CREP, and		•	
	Benefit to Me	ed This project addresses	s a very small area	, only 0.5 miles of potential off-channel rearing	habitat for	r juveniles in a signifi	icantly altered
	Salmon:			ould provide rearing habitat, primarily for juven			primarily single
		species project in a ve	ery small stream. Ti	nere are other efforts in project area contributin	ng to ripari	an enhancement.	
	Certainty of Me	ed The proximity to Oso I	Loop Road with dire	ect runoff into the proposed restoration area an	nd significa	antly altered condition	n of the site lower
	Success:		ing significant bene	efits to salmon recovery. The project site is pred	_	-	
	Project Comme	nts:					
of 8	02-1596 R	Snohomish Co Conse		Little Deer Erosion Control		262,500	,
	I -	-	-	bearing Deer Creek (an important tributary to t		_	
			-	t, steelhead, and coho. In partnership with the			
				er Road in order to reduce risk of road failure, bitat for spawning and rearing (egg-to-fry surviv		•	
	watersned. Thes	e actions will lower negative	e ellects off fish fial	onat for spawning and realing (egg-to-ify surviv	vairiearing	Survivar) and water	quanty.
	Benefit to Me	ed Little Deer Creek is cri	itical summer steel	head habitat and provides habitat for multiple s	salmonid s	pecies including Coh	no and bull trout.
	Salmon:	While sedimentation is compared to other sou	_	e, the benefit of the road improvement work over	er nearly 1	4 miles of road may	not be significant
	Certainty of Me	ed Some uncertainty exis	sts over how large o	of a sediment source the roads are compared to	o other so	urces in the basin ar	nd so restoration
	Success: Project Comme	work may not lead to s	significant changes	in habitat condition.			
				T			
of 8	02-1654 P Description: TI	Cascade Land Conser his project, in partnership w		Lower Pilchuck Creek Acquisition  h Tribe, will acquire a 100-acre parcel of prope	erty on low	406,300 er Pilchuck Creek ne	
	Stillaguamish Riv species of salmo	ver confluence and develop nids, including a depressed	an in-stream and f I population of fall o	loodplain restoration plan. Pilchuck Creek proveninook. Following purchase of the property, the s, and wetlands that historically characterized to	vides know e applican	n spawning and rear t is committed to see	ring habitat for six
	Benefit to Me Salmon:			vning and rearing habitat to multiple species, p poor with bank armoring, lack of riparian veget			
	Certainty of Me	ed Achieving the full bene	efits to salmon dep	ends upon future restoration work. More negoti	iations are	necessary with curr	ent landowner.
	Project Comme	nts:					
of 8	02-1554 N	Adopt A Stream Found	dation	WRIA 5 Fish Pass Barrier Prioritization		56,970	12,350
				WDFW recognize the need to improve existing	ng passage		
			•	Adopt A Stream will complete physical habitat		•	
			•	nethodology outlined by WDFW. This is the finatived prioritization and sequencing of salmonid b		•	
	Benefit to Me	ed Priority areas in the Pi	ilchuck and North a	nd South Fork Stillaguamish will have complet	e priority i	ndex work done and	annroximately
	Salmon:	-		alculated. Project only includes known existing		HOUR WOIR GUILE ALIG	approximately
	Certainty of Me Success:	most of the barriers ar	re unlikely to block a le at least a few sig	umulatively block at least 35 miles of potential significant amounts of habitat (i.e., more than a nificant blockages are likely to be found, some sites.	a mile) and	I thus will probably b	e lower priority
	Project Comme		J (2.141.14)				
	1						

sedimentation of the reach, iprocess perspect to Salmon: Certainty of Success: Project Com 02-1537 Description: and the locatid dollars. The base of the reach, in the locatid dollars.	m.This p followed pective  Med  Med  ments:  N  Two h ion of "le paseline	roject addresses limiting factors on a process level by conducting the riparian restoration in two stages. Phase I includes an assessment of by planting of twenty-five acres of floodplain and three acres of upland wetlands. Analyzing this reach in detail from a landscape is essential for determining the most effective actions, approach, and project design that will protect and restore habitat.  This assessment and riparian planting alone provides moderate benefit to salmon and does not address some of the limiting habitat factors for this area, but would be helped with dike breaching to connect more off-channel area.  It is not clear how riparian restoration addresses identified problems with low summer flows, lack of rearing habitat and sedimentation. The dike needs to be removed in order to achieve the full benefits to salmon.  Stillaguamish Indian Tribe Stillaguamish Estuary Assessment 141,000 25, and inject properties of the stillaguamish estuary and its food resources within the various habitat types open to use by chinook will be quantified and levees will be topographically mapped using LIDAR and aerial photos.  This is likely a high priority area with the potential to benefit multiple salmonid species and address significant limiting factors; howeves one of the information collected does not appear to be important for restoration project development, the goal of filling a data gap in the strategy.
Salmon: Certainty of Success: Project Com 02-1537 Description: and the locati dollars. The b and inventoric Benefit to	Med  ments:  N  Two hion of "le paseline ed. Dike	factors for this area, but would be helped with dike breaching to connect more off-channel area.  It is not clear how riparian restoration addresses identified problems with low summer flows, lack of rearing habitat and sedimentation. The dike needs to be removed in order to achieve the full benefits to salmon.  Stillaguamish Indian Tribe  Stillaguamish Estuary Assessment  141,000  25,1  high priority data gaps listed in the Stillaguamish strategy were a "near shore habitat inventory and use by anadromous and forage fisheves, dikes, and revetments that are no longer required". This project will fill these data gaps and improve the efficient use of restoral condition of the Stillaguamish estuary and its food resources within the various habitat types open to use by chinook will be quantified and levees will be topographically mapped using LIDAR and aerial photos.  This is likely a high priority area with the potential to benefit multiple salmonid species and address significant limiting factors; however some of the information collected does not appear to be important for restoration project development, the goal of filling a data gap in
Success: Project Com 02-1537 Description: and the locati dollars. The b and inventoric Benefit to	N Two hoaseline	Stillaguamish Indian Tribe  Stillaguamish Estuary Assessment  141,000  25,4  sigh priority data gaps listed in the Stillaguamish strategy were a "near shore habitat inventory and use by anadromous and forage fist evees, dikes, and revetments that are no longer required". This project will fill these data gaps and improve the efficient use of restoral condition of the Stillaguamish estuary and its food resources within the various habitat types open to use by chinook will be quantified as and levees will be topographically mapped using LIDAR and aerial photos.  This is likely a high priority area with the potential to benefit multiple salmonid species and address significant limiting factors; however some of the information collected does not appear to be important for restoration project development, the goal of filling a data gap in
02-1537  Description: and the locati dollars. The b and inventorion	N Two hion of "le paseline ed. Dike	Stillaguamish Indian Tribe Stillaguamish Estuary Assessment 141,000 25,4  sigh priority data gaps listed in the Stillaguamish strategy were a "near shore habitat inventory and use by anadromous and forage fish evees, dikes, and revetments that are no longer required". This project will fill these data gaps and improve the efficient use of restora condition of the Stillaguamish estuary and its food resources within the various habitat types open to use by chinook will be quantified as and levees will be topographically mapped using LIDAR and aerial photos.  This is likely a high priority area with the potential to benefit multiple salmonid species and address significant limiting factors; however some of the information collected does not appear to be important for restoration project development, the goal of filling a data gap in
Description: and the locati dollars. The b and inventoriand	Two hion of "le paseline ed. Dike	ligh priority data gaps listed in the Stillaguamish strategy were a "near shore habitat inventory and use by anadromous and forage fishevees, dikes, and revetments that are no longer required". This project will fill these data gaps and improve the efficient use of restora condition of the Stillaguamish estuary and its food resources within the various habitat types open to use by chinook will be quantified and levees will be topographically mapped using LIDAR and aerial photos.  This is likely a high priority area with the potential to benefit multiple salmonid species and address significant limiting factors; however some of the information collected does not appear to be important for restoration project development, the goal of filling a data gap in
and the locati dollars. The b and inventorion	ion of "le paseline ed. Dike	evees, dikes, and revetments that are no longer required". This project will fill these data gaps and improve the efficient use of restoral condition of the Stillaguamish estuary and its food resources within the various habitat types open to use by chinook will be quantified as and levees will be topographically mapped using LIDAR and aerial photos.  This is likely a high priority area with the potential to benefit multiple salmonid species and address significant limiting factors; however some of the information collected does not appear to be important for restoration project development, the goal of filling a data gap in
	Med	some of the information collected does not appear to be important for restoration project development, the goal of filling a data gap in
Certainty of Success:	Med	While the LIDAR info would likely provide useful data, restoration work in the estuary would depend upon a number of other factors such as finding willing landowners before that data would be useful. The other data collection from photos and food resources does seem necessary to identifying priority areas for restoration.
Project Com	ments:	
rearing habita acquisition ac	at, is a s ction pla	Cascade Land Conservancy  Stillaguamish Estuary Habitat Acq. Asmnt  28,798  5,0  dation, including channelizing, diking, draining of historic wetlands, loss of blind tidal sloughs, and loss of riparian forests and estuarir ignificant habitat problem in the Stillaguamish watershed. This project will conduct an assessment of the estuary to develop an in based on analysis of existing habitat condition, salmonid use, restoration potential, habitat connectivity, parcel characteristics, and
indication of v	willing s	ellers. Following completion of the Action Plan, CLC will seek funding to acquire and protect priority properties.
Benefit to Salmon:	Med	This is likely a high priority area with the potential to benefit multiple salmonid species and address significant limiting factors; however this effort may be out of sequence with other activities to foster communication with key landowners.
Certainty of Success:	Med	Working with the small number of landowners using established relationships with the local community will be more effective than having an outside entity approaching them.
FC	Project Com  22-1538  Description: rearing habits acquisition as ndication of v  Benefit to Salmon:  Certainty of Success:	Project Comments:  02-1538 N  Description: Degraering habitat, is a sacquisition action plandication of willing s  Benefit to Med  Salmon:  Certainty of Med

		Leat	d Entity Ranking an			is and	Rating	
	1		Inu	urston County	/ CD LE		1	ı
LE Ranking	Projec		Sponsor		Project Name		SRFB Request	Match Amount
1 of 4	02-1529	Capit	Capitol Land Trust  I Land Trust will acquire a conserva	Gull Harbor Cons		oor a 30 acr	756,872	
	surrounding s Puget Sound as sand lance riparian habit	shoreling 's most e, surf s at will b	e vegetation and 64 acres of adjace intact estuarine environments, provi melt and Pacific herring. When all p e protected.	ent upland. Gull Harbor is iding high quality habitat project phases have been	located on the east side of suitable for chum, coho, so completed, the entire esti	of Budd Inlet, ea-run cutthi uary, 3 miles	north of Olympia. It roat, chinook, and pr of shoreline and 70	is one of southerr ey species such 0 acres of upland-
	Benefit to Salmon:	nigii	Good estuary. Protects an importa strategy. Benefits Coho, chum an development is imminent. Part of	d cutthroat in the estuary	and stream as well as for		•	•
	Certainty of Success: Project Com		Easements appear to provide ader Title restriction attached to the pro	·		t degradatior	to the stream and e	estuary system.
							_	
2 of 4	02-1483	R	South Puget Sound SEG	Perkins Creek Fi		daine Count 1	100,407	
	offering spaw replace it with	ning an n a large	ns Creek is located in the McLane W d rearing habitat to chum, coho, wir er structure that will allow unimpede e Creek basin.	nter steelhead and cutthr d salmonid migration at a	oat trout. The project will rall life stages. This project	remove an a will open .7	nadromous fish barr 5 miles of critical trib	er culvert and utary spawning
	Benefit to Salmon:	Med	Good to open up the system. Good additional 1 mile of good quality hat this WRIA. Other protection project	abitat. McLane watershe	ed is identified as a high pri	iority watersh	•	
	Certainty of Success:	High	Good upfront work. Good evaluation	on and conceptual desig	n.			
	Project Com	ments:						
3 of 4	02-1477	N	South Puget Sound SEG	WRIA 13 Prioritiz	zation and Development		74,006	13,460
	SRFB funded inventories co	l barrier omplete	ojects will be prioritized and selected inventory identifies and evaluates a d by WDFW and Thurston Conserva tructure designs, cost estimates, lar	anadromous barriers culvation District. This propo	verts on private roads and osal will provide SPSSEG a	driveways, a and cooperat	nd provides missing ting partners with 30	data for culvert % engineered
	Benefit to Salmon:	Med	Good to collect information and fill the inventory. Will lead directly to			Develops des	signs for top 10 proje	ects identified in
	Certainty of Success:	High	Good to design the top ten project knowledge and reflect and/or antic	·		pased on WF	RIA 13 strategy and t	echnical
	Project Com	ments:						
1 of 4	02-1486	R	Thurston County Roads/Trans		d Barrier Removal		760,000	
	Barrier Culve highest in the	rt Inven priority	roject will replace a culvert on Gull tory this culvert has a Priority Index . Many fish species, including chun ructure will have many of the chara	(PI) of 30.86. Three prom, coho, steelhead, cutth	jects with higher priority har roat and rainbow use or co	ave been repould use Ellis	laced, leaving this p	roject next to
	Benefit to Salmon:	Med	Full barrier that could provide acceprevents the full benefits of this proculvert will also be costly to fix. Reculvert were to fail prior to it being multiple species.	oject being achieved in the grade is a high concern.	he near future. Lots of roa Culvert is failing so there	ds fill. Cost f is some add	or this project is high litional threat to exist	n. The downstrear ing habitat if the
	L							
	Certainty of Success:	Low	Use of KCRTS is not appropriate f design and construction to be inad	•	em. A & E is low (13%) for	such a big p	project. There is a hi	gh potential for the

			columbia Region LE	rating	
LE Ranking	Project #	Sponsor	Project Name	SRFB Request	Match Amount
1 of 17	02-1634 N	Trout Unlimited Icicle Vly	Lower Icicle Reach-Level Assessment	40,375	7,125
	a primary data ga information to dev	o and use a protocol similar to that described elop a restoration and protection strategy for habitat will be impeded without the proposed	of physical processes of the lower reach of Icicle Creek (2. d by Rosgen as a Level 3 analysis, and synthesize data of r the reach. A major habitat acquisition in this reach was fund d assessment. rtant reach for nearly all salmonid species of the Mid-Colu	otained together with unded by the SRFB,	n existing and potential
	Salmon:  Certainty of Med Success: C	<ul> <li>Rosgen level III analysis (or something s fill data gaps about physical properties a</li> </ul>	category II watershed. Will provide needed direction for fut similar) is probably appropriate for this stream reach to hel at the reach level but the study design should separate the success. Restoration potential is very limited, only enhance	p define next steps.	hannel and
	other subbasin an very useful. CONDITION: The sponsor will d reach. The forum	d basin-wide assessments have been comp	uate. Upstream reaches have been subject to federal water leted. TU has accomplished similar assessments in WA and the water leteral water let	and generally the ou	tcome has been
	02-1524 R	Chewuch Basin Council	Chewuch Basin Irrigators Conveyance	294,360	55,000
	<b>Description:</b> The (Fulton, Skyline, a project will conver return of 8-10 cfs,	e Project proposes targeted efficiency impro nd Chewuch). Targeted improvements (pipe a total of 4.0 miles of open ditch to enclose which is equal to the entire late season dive	everwents within the conveyance canals of the three primare and lining) will reduce seepage losses, thereby reducing ad or lined conveyance over 18 months. The project will reprise of the Skyline Ditch.	y irrigators on the C diversion needs for esult in an immediate	hewuch River each ditch. The e in-stream flow
	Benefit to Hig Salmon:  Certainty of Hig	increased in 8 miles of lower Chewuch, Chewuch is a category II waterway. h Additional flow will benefit all life history	wuch River, important spring chinook and steelhead tributa improving spawning habitat for spring chinook and transponders of at least two endangered species. Proven technology	ortation and rearing	flow for steelhead
	Success: Project Commen	that the benefits will be in place. Part of ts: Final phase on 1 of the 3 ditches.	ran Hop.		
	baseline data on h the USCRB Strate	abitat factors limiting their success in the Fo	Foster & Moses Coulee Watershed Assess. istribution of 'Federally Endangered' Summer Steelhead a oster and Moses Coulee WRIAs 44 and 50. These surveys 001), and by the local Citizen Advisory Group. Specific pro quality and increase water quantity for fish.	s are top priorities re	Salmon and commended in
	Benefit to Low Salmon: Certainty of Med	history phases. Category IV waterway.  Plan to conduct numerous assessments	ese streams. What information is available indicates limite s in 5 watersheds in 2 years and realize that this effort will		
	-		nplete the assessment. s before reaching Chief Joseph dam. Appears to be strong or can be important to salmonids, then go to SRFB for fun		
4 of 17	02-1650 A	Methow Conservancy	Methow Critical Riparian Habitat Acq	1,958,010	345,532
	These easements woody debris and	s proposal requests funding for conservation will instigate protection of the Upper Methow	n easement purchases on seven critical properties betwee w Habitat Block, a corridor of extremely high-quality riparia ly 33 acres of private land in the reach are protected. This	en the towns of Wintl an habitat where side	nrop and Mazama channels, large
	Salmon:	habitat by dispersed development.	earing habitat of two endangered species with conservatio	_	
	Certainty of Hig Success:		nplementing and monitoring conservation easements in M ch and, in some instances, provides mechanism for restor		
	Project Commen	ts:			

5 of 17	02-1414 A	Chelan/Douglas Land Trust White River Habitat Acquisition 2,462,855 434,622
	White and Little We prioritize acquisition	e Chelan-Douglas Land Trust (CDLT) seeks to permanently protect the highest priority riparian, wetland, and floodplain habitat along the enatchee River through acquisition of land and conservation easements of approximately 500 acres from willing landowners. CDLT will no opportunities and purchase the highest ranking available parcels. This is one of the most productive spawning and rearing areas in the ered chinook, endangered steelhead, threatened bull trout, and the largest sockeye run in the Columbia Basin.
	Benefit to <b>High</b> Salmon:	Protects high quality spawning and rearing habitat for 4 species (2 endangered.) through land purchase (and perhaps easements) in Category I waterway. Key habitats for two species. Integrates well with other protection and restoration projects in vicinity.
	Certainty of High Success:	Protects all phases of life history requirements and allows natural processes to occur. Will stop impairment to channel migration zone in purchase areas. Good monitoring plan. Land trust has been in business for many years (17).
	Project Comment community suppor	s: WDFW and USFS not active participants but would be consulted. Proactive approach because development threats are strong. Good t.
6 of 17	02-1638 C	Upper Col Reg Fish Enhance Eyhott Isl. & N. Shore Acq & Restoration 480,300 104,065
	Okanogan/Similka summer chinook ir	s project will protect and restore riparian habitat on Eyhott Island and the North Shore property at the confluence of the meen Rivers. The property acquisition of 161 acres include some 4.5 miles of spawning habitat supporting the largest concentration of the watershed. Restoration will include exclusion fence, bank stabilization and planting. The North Shore property is expected to play hos ive Plants Nursery and a Salmon Interpretive Center (funded through alternate sources).
	Benefit to Med Salmon:	Protects habitat in stream reach heavily spawned by summer Chinook in 2001 and used as transportation corridor for other species.  Allows restoration (reveg and livestock exclusion) of riparian habitat, which will aide in slowing sedimentation of nearby spawning and rearing. Partially addresses perhaps two of several limiting factors in the reach. Primarily a single species focus with secondary benefits to other salmonids.
	Certainty of Med Success:	Local impact of bank hardening on bank erosion needs to be addressed in future restoration work.
	Project Comment	s: Heavy use by chinook is likely the result of rearing pond releases. Category II and III reaches.
7 of 17	02-1522 R	Methow Salmon Recovery Found Early Winters Ditch Co Irrigation Improv 67,595 14,500 Project proposes to complete a water savings project on Early Winters Creek partially funded under early action grants in 1999. This
	headgate, and inst	nstallation of the final 5 irrigation wells, ditch conveyance loss improvements (liner at identified location), replacement of a lateral allation of ramp flume measuring devices. The diversion (15-20 cfs) is shut down late season once flows in the Early Winters Creek reach llow for continued operation of farms and ranches.  Completes earlier project for restoration of additional instream flow (15-20 cfs) to 1.4 miles of spawning and rearing habitat for 3 species (2 endangered) during low flow period on Category I waterway. Final phase. Achieving the instream flow benefit does not depend on drilling these wells.
	Certainty of Low Success:	instream flows.
		s: According to consultant, withdrawal for these wells should have little effect on flow in the Methow River. One mile from river and for short periods of time. Completes actions for special use permit.
8 of 17	02-1644 A	Methow Salmon Recovery Found Lower Twisp River Habitat Acquisition 270,650 47,999
	proposals. The acc	s project proposes to acquire the remaining three key parcels(14.74 acres) on the lower Twisp River that were not acquired in past quisition of these parcels completes the purchase and protection of 24.24 acres of contiguous riverfront, side channel, and riparian habitat. I assure permanent protection for spawning, rearing, and over-wintering habitat for endangered spring Chinook salmon and summer
	Benefit to <b>High</b> Salmon:	that has been lost due to bank hardening and channel simplification). Four cfs will be provided to the reconnected and restored side- channel rearing function.
	Certainty of High Success:	Spring chinook seek out this type of habitat for spawning and rearing. Assuming upstream entrance attracts juveniles, use will be assured. Higher levels of flow might be sufficient to attract spawning fish.
	1 '	s: Connects upper and lower properties acquired and restored from previous grants. Upstream water intake needs to be fail-safe to el does not dewater once fish are attracted into habitat.
9 of 17	02-1526 R	Okanogan Co Conservation Dist Upper Beaver Diversions Renovation 285,502 78,045
	the Beaver Cr. dra the two diversions	s project will replace push up dams and canal lining of two irrigation ditches: the Marracci and Batie Ditches, located on private property in inage, a tributary of the Methow River. Piping/lining 13,900' of these canals will contribute 3 cfs to instream flows. This project will replace with Rosgen-type rock weirs allowing passage at low flows. These projects have been identified by a SFRB-funded landowner-based urce Management (CRM) planning effort.
	Benefit to Med Salmon:	Habitat currently is inaccessible to anadromous salmonids. Instream flow benefits (3fcs) would occur only downstream to the next irrigation diversion. Juvenile spring chinook use lower end of Beaver Creek and steelhead adults have as yet an undefined upstream distribution. Presence of bull trout hybridization lowers the rating.
	Certainty of Med Success:	Technology to implement project is mature and instream flow improvement will benefit all life history stages of species present. Instream flow benefit is limited only to upper reach.
	Project Comment project.	s: Category II waterway, 303(d) listed. This project was identified through the Beaver Creek CRMP process, an earlier funded SRFB

10 of 17	02-1496 R	Okanogan Co Conservation Dist Lower Beaver Piping 128,957 54,90
10 0. 17		project will pipe two unlined irrigation ditches, the Fort-Thurlow and Miller Ditches, in the Beaver Cr. drainage, a tributary of the Methow
	River. Piping/lining	5750' of these canals will contribute approx. 1.2 cfs to instream flows. These projects are a continuation of a SRFB-funded diversion
		d have been identified by a SFRB-funded landowner-based Coor. Resource Management (CRM) planning effort. The cumulative effect
	will be to augment in	stream flows to the extent that dewatering due to irrigation withdrawals will be eliminated in all but drought years.
	Benefit to Med	Water saved (1.2 cfs) will benefit what anadromous fish that are present in this reach of Beaver Creek. However, junior water right
	Salmon:	downstream (2nd diversion) will take some of "saved" water reducing overall value project. Water savings will not be available in
		drought years.
	Certainty of <b>Med</b>	Technology to accomplish project is mature, resulting in water savings that can benefit all life history phases of species present.
	Success:	Amount of actual water savings left in stream to mouth is unclear.
	Project Comments	This project was identified through the Beaver Creek CRMP process, an earlier funded SRFB project.
11 of 17	02-1647 N	Okanogan Co Conservation Dist Twisp River Coordinated Resource Mgmt 66,480 13,00
	· ·	Coordinated Resource Management Plan (CRMP) is a planning and problem solving tool that helps landowners and governing agencies
		oblems, by bringing the effected parties to the table and discussing options and potential solutions. The CRMP process will be used to on private land with willing participants in the Twisp River drainage of the Methow Valley. The plan will provide recommendations for
		nservation and a list of potential future salmon recovery projects.
	Benefit to Med	
	Salmon:	A problem-solving tool for the Twisp River basin. Area has been experiencing landowner mistrust and strife for many years. Howeve progress seems to be occurring in basin with existing resources. Goal is to identify and recommend water conservation methods and
	Califion.	potential salmon recovery projects. Would benefit two endangered species.
	Certainty of <b>Med</b>	Applicant has had comparable successes in other basins.
	Success:	Applicant had formparable edeceded in early bacine.
	Project Comments	
12 of 17	02-1633 R	Chelan County Public Works Squilchuck Creek Culvert Replacement 377,670 66,6
12 01 17		roject will replace an existing culvert on Squilchuck Creek, tributary to Columbia River, with a bridge. A natural creek bed will be created
		ng ponds to facilitate fish migration in Squilchuck Creek, allowing access to approximately 1 mile of spawning and rearing habitat for ES
		almonids (steelhead and spring chinook) as well as summer chinook juveniles and redband rainbow trout. The design is 90% complete
		as already been committed through Chelan County.
	Benefit to Low	Provides passage of a total barrier culvert to approximately 1 mile of habitat, described as primarily steelhead. Some chinook rearing
	Salmon:	may occur and introduction of coho is a potential. There are existing barriers upstream.
	Certainty of Low Success:	Needs additional upstream and downstream channel work.
		Category IV waterway. Stream has series of 6 passage barriers up to RM 8.2. Restoration of the waterway will be a long and expens
	process.	<b>g</b> , <b>. .</b>
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13 of 17	02-1645 R	Okanogan Co Conservation Dist Beaver Creek Riparian Fencing 34.905 11.89
13 of 17	02-1645 R  Description: This	Okanogan Co Conservation Dist Beaver Creek Riparian Fencing 34,905 11,89 project would provide riparian fencing on 3 different property ownership's on Beaver Creek, which is a tributary to the Methow River.
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14 of 17	Description: This Approximately 3000 of the sites. The thir existing barriers are Benefit to Med Salmon:  Certainty of Low Success: Project Comments  02-1649 N Description: The sriparian habitat is pobe prioritized for rest the landowners will I Benefit to Med Salmon:  Certainty of Low Success:  Project Comments  02-1646 R Description: This requested assistance bridges the cattle we to the other regularly Benefit to Low	project would provide riparian fencing on 3 different property ownership's on Beaver Creek, which is a tributary to the Methow River. feet of fence will be constructed to protect and restore the riparian vegetation that is severely impacted by heavy recreational use on two downership is on private land with approximately 5000 feet of riparian fencing needed. When current SRFB funded projects that remo completed listed stocks will have direct access to this effected reach.  Riparian fencing on state, federal and private lands on Beaver Creek is designed to keep people and livestock out of the riparian zone Fish use is unclear in the immediate vicinity. Will use passive vegetation restoration initially. Adds to existing CREP program on private lands.  Buffer width in combination with site limitations lowered the rating.  This project was identified through the Beaver Creek CRMP process, an earlier funded SRFB project.  Pacific Biodiversity Institute   Okanogan River Riparian Assessment   254,743   44,91   ponsor will use GIS analysis and field surveys of 75 miles of the Okanogan River to identify where protection and passive restoration or ssible. Loss of riparian vegetation has contributed to elevated water temperatures and increased sediment carried to the river. Areas with correct this habitat.  Riparian loss identified as a prominent limiting factor in basin, and this project assesses riparian condition on 75 stream miles, documents change, identifies functional and degraded habitats, implements pilot project. Will benefit 4 species (1 endangered). Assessment may concentrate on too few factors. This or similar assessment should be done before embarking on major riparian restoration program/habitat purchase.  Assessment technique contains ground-truth element, tests efficacy with pilot project, and monitors change over 5-year period. However, project may be too general to be site specific. Project needs to look at all potential sources of water temperature problems.  Project does not appear to have community s
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14 of 17	Description: This Approximately 3000 of the sites. The thir existing barriers are Benefit to Med Salmon:  Certainty of Low Success: Project Comments  02-1649 N  Description: The sriparian habitat is pobe prioritized for resthe landowners will I Benefit to Med Salmon:  Certainty of Low Success:  Project Comments  02-1646 R  Description: This requested assistance bridges the cattle we to the other regularly Benefit to Low Salmon:  Certainty of Low Success:  Description: This requested assistance bridges the cattle we to the other regularly Benefit to Low Salmon:  Certainty of Med Success:	project would provide riparian fencing on 3 different property ownership's on Beaver Creek, which is a tributary to the Methow River. feet of fence will be constructed to protect and restore the riparian vegetation that is severely impacted by heavy recreational use on two ownership is on private land with approximately 5000 feet of riparian fencing needed. When current SRFB funded projects that remo completed listed stocks will have direct access to this effected reach.  Riparian fencing on state, federal and private lands on Beaver Creek is designed to keep people and livestock out of the riparian zone Fish use is unclear in the immediate vicinity. Will use passive vegetation restoration initially. Adds to existing CREP program on private lands.  Buffer width in combination with site limitations lowered the rating.  This project was identified through the Beaver Creek CRMP process, an earlier funded SRFB project.  Pacific Biodiversity Institute Okanogan River Riparian Assessment 254,743 44,91 ponsor will use GIS analysis and field surveys of 75 miles of the Okanogan River to identify where protection and passive restoration ossible. Loss of riparian vegetation has contributed to elevated water temperatures and increased sediment carried to the river. Areas witoration, the sponsor will work with landowners and restore a pilot area for monitoring, education and training. Watershed Committees of the formed to protect this habitat.  Riparian loss identified as a prominent limiting factor in basin, and this project assesses riparian condition on 75 stream miles, documents change, identifies functional and degraded habitats, implements pilot project. Will benefit 4 species (1 endangered). Assessment may concentrate on too few factors. This or similar assessment should be done before embarking on major riparian restoration program/habitat purchase.  Assessment technique contains ground-truth element, tests efficacy with pilot project, and monitors change over 5-year period. However, project may be too general to be

16 of 17	02-1653	R	Okanogan Co Conservation Dist	Salmon Creek Fish Habitat Restoration	599,837 112,153				
	Description	scription: This project proposes to complete seventeen site-specific projects to address problems such as stream bank & bed stability, lack of riparian							
	vegetation & lack of large woody debris, & poor geomorphic conditions in Salmon Creek, a triburary of the Okanogan. To address these altered conditions the following treatments are proposed: log & rock vanes, root wad revetments, vegetative plantings, fencing & development of alternative water sources for livestock in reaches 3-6. The implementation of these treatments would provide the following benefits to the re-establishment of endangered steelhead and								
	spring chinoc	ok.							
	Benefit to	Low	Blockage at mouth of creek hinders adult	passage of steelhead. Single species. Proposes channel	el and restoration of several miles of				
	Salmon:		habitat.						
	Certainty of	Low	Although restoration activities attempt to a	address many of identified habitat problems, significant r	isk remains that actions will not be				
	Success:			project should be proposed after passage and flow issue					
	Project Com	ments:							
17 of 17	02 1651	٨	Control Wook University	CWILL Okanagan Biyar Fasament Bight	1 826 000 274 000				
17 of 17	02-1651	A The n		CWU Okanogan River Easement Right	1,826,000 374,000				
17 of 17	Description	: The pu	irpose of this project is to acquire a portion	n of a conservation easement to approximately 500 acres	s of Okanogan River riparian land,				
17 of 17	Description including 6.2	The pu	urpose of this project is to acquire a portion land directly fronting the river, for the prote	n of a conservation easement to approximately 500 acresection of three salmon species: summer chinook, sockey	s of Okanogan River riparian land, e, and steelhead. This project is				
17 of 17	Description including 6.2 focused on p	The pu miles of rotecting	rpose of this project is to acquire a portion land directly fronting the river, for the protone of the few remaining undeveloped str	n of a conservation easement to approximately 500 acresection of three salmon species: summer chinook, sockey retches of the Okanogan mainstem from development.	s of Okanogan River riparian land, e, and steelhead. This project is				
17 of 17	Description including 6.2 focused on palong the Ok	The pu miles of rotecting anogan i	rpose of this project is to acquire a portion land directly fronting the river, for the protone of the few remaining undeveloped strong the U.S. and the landowners are interesting the strong strong the landowners are interesting the U.S. and the landowners are interesting the landowners are landowners.	n of a conservation easement to approximately 500 acresection of three salmon species: summer chinook, sockey retches of the Okanogan mainstem from development.	s of Okanogan River riparian land, e, and steelhead. This project is This is the only intact riparian areas				
17 of 17	Description including 6.2 focused on palong the Ok	The pu miles of rotecting anogan i	rpose of this project is to acquire a portion land directly fronting the river, for the protone of the few remaining undeveloped strong the U.S. and the landowners are interest Protects and restores up to 6.2 miles of ri	n of a conservation easement to approximately 500 acresection of three salmon species: summer chinook, sockey retches of the Okanogan mainstem from development. Ited in selling.	s of Okanogan River riparian land, e, and steelhead. This project is This is the only intact riparian areas habitat used by summer chinook.				
17 of 17	Description including 6.2 focused on palong the Ok	The pu miles of rotecting anogan i	rpose of this project is to acquire a portion land directly fronting the river, for the protone of the few remaining undeveloped strong the U.S. and the landowners are interest Protects and restores up to 6.2 miles of ri	n of a conservation easement to approximately 500 acresection of three salmon species: summer chinook, sockey retches of the Okanogan mainstem from development.	s of Okanogan River riparian land, e, and steelhead. This project is This is the only intact riparian areas habitat used by summer chinook.				
17 of 17	Description including 6.2 focused on p along the Ok Benefit to Salmon:	: The pu miles of protecting anogan i High	urpose of this project is to acquire a portion land directly fronting the river, for the protone of the few remaining undeveloped strong the U.S. and the landowners are interest Protects and restores up to 6.2 miles of rischelled and sockeye transportation read	n of a conservation easement to approximately 500 acresection of three salmon species: summer chinook, sockey retches of the Okanogan mainstem from development. Ited in selling.  I parian habitat in relatively undisturbed spawning/ rearing ach. Would prevent development, control grazing, and re	s of Okanogan River riparian land, e, and steelhead. This project is This is the only intact riparian areas habitat used by summer chinook. store flood plain function.				
17 of 17	Description including 6.2 focused on p along the Ok Benefit to Salmon:	The pu miles of rotecting anogan i	urpose of this project is to acquire a portion land directly fronting the river, for the protone of the few remaining undeveloped strong the U.S. and the landowners are interest. Protects and restores up to 6.2 miles of rischeduled and sockeye transportation read Addresses two of the major limiting factor	n of a conservation easement to approximately 500 acresection of three salmon species: summer chinook, sockey retches of the Okanogan mainstem from development. Teted in selling.  parian habitat in relatively undisturbed spawning/ rearing ach. Would prevent development, control grazing, and rest in basin. Sequencing of project may be inappropriate.	s of Okanogan River riparian land, re, and steelhead. This project is This is the only intact riparian areas a habitat used by summer chinook. Store flood plain function.				
17 of 17	Description including 6.2 focused on p along the Ok Benefit to Salmon:	: The pu miles of protecting anogan i High	urpose of this project is to acquire a portion land directly fronting the river, for the protone of the few remaining undeveloped strong the U.S. and the landowners are interest. Protects and restores up to 6.2 miles of rischeduled and sockeye transportation read Addresses two of the major limiting factor	n of a conservation easement to approximately 500 acresection of three salmon species: summer chinook, sockey retches of the Okanogan mainstem from development. Ited in selling.  I parian habitat in relatively undisturbed spawning/ rearing ach. Would prevent development, control grazing, and re	s of Okanogan River riparian land, re, and steelhead. This project is This is the only intact riparian areas a habitat used by summer chinook. Store flood plain function.				
17 of 17	Description including 6.2 focused on p along the Ok Benefit to Salmon: Certainty of Success:	The purification of the protecting anogan in High	urpose of this project is to acquire a portion land directly fronting the river, for the protone of the few remaining undeveloped stin the U.S. and the landowners are interest. Protects and restores up to 6.2 miles of risteelhead and sockeye transportation read Addresses two of the major limiting factor not been completed. Willing landowner.	n of a conservation easement to approximately 500 acresection of three salmon species: summer chinook, sockey retches of the Okanogan mainstem from development. Teted in selling.  parian habitat in relatively undisturbed spawning/ rearing ach. Would prevent development, control grazing, and rest in basin. Sequencing of project may be inappropriated to monitoring plan. No specific riparian buffer or land means.	s of Okanogan River riparian land, re, and steelhead. This project is This is the only intact riparian areas a habitat used by summer chinook. Store flood plain function.				
17 of 17	Description including 6.2 focused on p along the Ok Benefit to Salmon: Certainty of Success:	The purification of the protecting anogan in High	urpose of this project is to acquire a portion land directly fronting the river, for the protone of the few remaining undeveloped strong the U.S. and the landowners are interest. Protects and restores up to 6.2 miles of rischeduled and sockeye transportation read Addresses two of the major limiting factor	n of a conservation easement to approximately 500 acresection of three salmon species: summer chinook, sockey retches of the Okanogan mainstem from development. Teted in selling.  parian habitat in relatively undisturbed spawning/ rearing ach. Would prevent development, control grazing, and rest in basin. Sequencing of project may be inappropriated to monitoring plan. No specific riparian buffer or land means.	s of Okanogan River riparian land, re, and steelhead. This project is This is the only intact riparian areas a habitat used by summer chinook. Store flood plain function.				

Lead Entity Ranking and Technical Panel Comments and Rating							
	1		Whatcom	County Lead Entity	1	•	
LE Ranking	Project	:#	Sponsor	Project Name	SRFB Request	Match Amount	
1 of 8	02-1500	N	Nooksack Indian Tribe	Acme-to-Confluence Reach Assessment	250,000		
	top priority are geomorphic 8	ea for C k hydrol	chinook. This assessment will identify habiogic data. Following prioritization, and wor	sign and implement acquisition & restoration projects on itat units, determine distributions & functions of LWD, as king with willing landowners, a pilot restoration project w SRFB) just upstream in the Acme-to-Saxon reach.	sess riprap & levees	, and assemble	
	Benefit to Salmon:	High	within the strategy and leads directly to p	•	,	0 1	
	Certainty of Success:		cycle.	con assessment, completed by the Lummi Nation and fur	nded in the Second F	Round 2000 grant	
	Project Com	ments:	No cost estimates were provided for des	ign and implementation of the identified pilot project.			
2 of 8	River, by the spawning Chi along the cha	placing inook, C	project will improve and protect spawning a 200 pieces of LWD to improve gravel sorti	MF Nooksack Side Channel Improvement and rearing conditions in a 3500' long spring-fed side chaing, pool formation, cover and overall channel roughness supplied with 12 cfs of high quality, year-round spring-fearrange LWD into stable arrays.	. The channel is cur	ork Nooksack rently used by	
	Benefit to Salmon:	Med	habitat by adding structures, which are in under Other Approaches in Section 14 of	oinks and Chinook. The primary purpose of this project is tended to sort gravels. This process is occurring natural the Project Evaluation, "Gravel importation and mining of ent observations of improved gravel recruitment to the ch	lly. The project propoptions were rejected	onent stated	
	Certainty of Success:	Med	structures may not stay in the active char	There are concerns that the structures will fill in with bed nnel. It does not appear that sufficient surveys have bee I shear stress in regard to this channel, its structures and oject.	n completed. The p	roject proponent	
	Project Com	ments:					
3 of 8	02-1648	C		Kwina Slough Acq. & Riparian Restoration	303,975	- ,	
	<b>Description:</b> This proposal is to purchase and preserve 93.3 acres of riparian habitat bordering Kwina Slough and the remnant Steamboat Slough in the Nooksack River Estuary and to restore riparian functions, including invasive plant control and native plantings. The project will protect vital rearing habitat for all salmonid species. The acquisition of this site will also facilitate instream treatment options being developed in the Nooksack Estuary Habitat Assessment Project (3rd Rd. SRFB).						
	Benefit to Salmon:	_	-	Nooksack and provides rearing habitat for multiple salm	•	ata di Basta di	
	Certainty of Success:	Mea	=	ld require further acquisition and restoration work beyond dplain/wetland habitat in public ownership and begins the			
	Project Com	ments:					
4 of 8	02-1489			Squalicum Fish Passage Reroute Design	25,000		
	<b>Description:</b> The project is for design and complete engineering work to reroute Squalicum Creek around Bug Lake to its historical channel. The project will directly lead to identification, siting, and design of a fish passage and riparian habitat restoration project. NSEA will assess landowner opportunities and an engineer will design channel improvements and plan for rerouting of Squalicum Creek to re-establish natural processes. The project would benefit Coho, Chum, Steelhead, and Cutthroat.						
	Benefit to Salmon:	Low	•	ence of non-native warm water species in the lakes. Fur as the highest priority salmon species, and it is out of seq efits of the project.		,,	
	Certainty of Success:	Med	address all limiting habitat factors at the s	to critical uncertainties with the design. The design may site. While there are five miles of habitat upstream of the ess. Stormwater objectives may be unrealistic, given land	project, its condition		
				non-native fish issues and whether or not DOT is plannin g the issues with these culverts? The full benefit could n	•		

5 of 8	02-1505	R	City of Bellingham Whatcom Creek Estuary Restoration	353.500 402.800					
0 01 0			project would restore 1,000 feet of nearshore habitat in the Whatcom Creek estuary, including: cor						
	salt marsh (e	emergen	nt) and mudflat restoration; public education; and long-term stewardship. A solid waste cleanup of a	n historic landfill is being conducted by					
	the City in pa	the City in parallel with this project. The Bellingham Bay Pilot Team identified restoration of nearshore habitat in this area among the highest priority actions							
	for the region	for the region to improve juvenile salmonids habitat.							
	Benefit to	Low	Over half of the budget reserved for landfill removal, and administration and engineering. It does	not appear that the project will allow					
	Salmon:		additional tidal influence into the estuary nor would the project add a great deal of habitat. The co	ost/benefit ratio for this project is low.					
	Certainty of	Low	It appears that the proponents may be able to meet some of their objectives, however it is doubtfi	•					
	Success:		residence time of juvenile salmonids and increase productivity. Without the ability to increase the						
			the above objective cannot be met. Stormwater inputs, and the urban location will compromise p negative affect on juvenile salmonids.	roject benefits, and may have a					
			negative affect on juverille samforillus.						
	Project Con	nments							
6 of 8	02-1487	N	City of Bellingham Padden Creek Daylighting	200.000 200.000					
0 01 0			City of Bellingham Padden Creek Daylighting project is to develop designs to create an open creek section to replace a 2600 foot long tunnel with	, , , , , , , , , , , , , , , , , , , ,					
			nam. The tunnel has been blocking Coho, Chum and any historic fishery since the 1890's. The fina						
		_	ian habitat and passage through the project area, and opening the upper basin and its tributaries for						
	·	0 1							
	Benefit to	Low	Benefits of this project would not be realized until the passage design is implemented. Habitat q	uality above the culvert/tunnel is not					
	Salmon:		stated in the application Project is in a low priority area and does not address Chinook. The cost	benefit ratio for this project is low.					
	Certainty of	Low	Certainty of success is low due to the many unknowns associated with the project. It is possible	to design a channel with restored					
	Success:		passage, however expense and lack of landowner support may prevent the project from being im	plemented. Implementation costs					
			could be prohibitive.						
	Project Con	nments:	: Project proponent needs to address stormwater issues, continue building community support, an	d garner funds support from other					
	sources for p	sources for project construction.							
7 of 8	02-1516	N	Lummi Indian Nation Nooksack Estuary Juv. Chinook Assess	315,962 56,380					
	Description	: The p	project will characterize the distribution, abundance and condition of Chinook and other juvenile sali	monids within the estuary habitat of					
			sment will be made within the context of the habitat segments characterized in the Nooksack Estua	•					
		SRFB). Data acquired in the Juvenile Assessment will direct the prioritization and design of 10 estuary restoration projects identified in the habitat							
	assessment.								
	Benefit to	Med	Actual benefits to the species would occur if restoration plans were developed and implemented.						
	Salmon:		with existing information? How will this information be disseminated to the public? How will it be	used to develop projects?					
	Certainty of	Low	Certainty of success in achieving the project objectives is low because the objectives are excessi	vely broad. It is unclear how the					
	Success: assessment would be linked directly to salmon recovery.								
	Project Comments:								
8 of 8	02-1491	R	Dept of Ecology Whatcom County Creosote Project	110,000 28,000					
0 01 0			project will continue a second year of creosote material location and removal from marine beaches						
	also inventory and begin the removal of fixed pilings concentrating in Bellingham Bay. Creosoted pilings, piling remnants, cast-off railroad ties, and other								
		creosote treated material are a continuous source of pollution on the beaches of Whatcom County, impacting forage fish spawning habitat, a major food fish							
		for migrating salmonids.							
				dimental it Consents and the Miles					
	Benefit to	Low	It appears that the there is some benefit to salmonids, however the project proponent has over es						
	Salmon:		the LFA as a potential issue not a major issue. The impacts of the creosote materials seem to af on forage fish, and not clear how much this impacts salmonid species.	rect samon indirectly through impacts					
	Certainty of	Low	Certainty of success appears difficult to monitor. The project proponent would also need to address	ess contaminants in the ground around					
	Success:		the pilings. The project also does not appear to fit into the Lead Entity Strategy.						
	Project Con	ments	: This innovative project appears to fill a need for toxic waste removal.						
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		This innovative project appears to find a need for toxic waste removal.						

	<u>'</u>	Loui		a River Basin LE	rtating			
LE Ranking	Project		Sponsor	Project Name	SRFB Request	Match Amount		
1 of 13	02-1527	R		Diversion 14 Fish Screen - Ahtanum Cr.	199,000	42,961		
	design and im Nation, and co All other diver	nprovem urrently rsions o	nents on Ahtanum Creek, approximately 11 supports steelhead, Bull Trout, Chinook al n Ahtanum have been or are currently beir	n Tributary Access and Habitat Program (YBTAHP), pro 1 miles upstream from the Yakima River. Ahtanum Cree nd Coho salmon. It is the last unscreened gravity divers ng screened or converted to screened pump diversions.	k lies partially within ion remaining on the	the Yakama Ahtanum Creek.		
	Benefit to Salmon:	High	Chinook juveniles. Riparian restoration p	Creek, located at RM 11. Project will protect steelhead, but alanned in vicinity of project. Several miles of accessible umber considered "minimal" by local experts).		•		
	Success:		The technology to design/operate effective		16.11.			
	passage issue		ddressed, use may expand in future.	r upstream if rearing is only life history phase documente	ed for this species. C	ince flow and		
2 of 13	Coleman Cree perched culve	ek, a trib ert, insta	outary to Wilson Creek in Kittitas County, a	Coleman Creek Fish Access  n unscreened surface water diversion, and an uncontrolly approximately 3.3 stream miles from the Yakima River. I structure for Bull Ditch terminus, and a fish screen for in bitat for Chinook, Coho, and Steelhead.	Major tasks include r	II Ditch and emoval of a		
	Benefit to Salmon:	Med	The project provides a limited amount of rearing habitat (0.5 miles) for spring Chinook, steelhead, and possibly coho juveniles, in an area with degraded channel and water quality conditions. This is the first diversion structure that needs to be fixed in order to begin the process of opening many miles of important upstream habitat to the Yakima River. The project will provide juvenile screening and prevents the mixing of Bull Ditch water with Coleman Creek (some water quality improvement). Habitat appears mostly in agricultural area but has not been assessed. There are other significant limiting factors not being addressed, such as lack of riparian function. The benefits could be even greater if the project would have included an aggressive riparian restoration component.					
	Certainty of Success:	High	This is a relatively easy and inexpensive analysis and is in the proper sequence.	fix for passage and screen problem. The project is cons	istent with their limiti	ng factors		
	Project Comments:							
3 of 13	02-1656 R Kittitas Co Conservation Dist Dry/Cabin Crk Fish Passage & Screening 164,051 57,194  Description: This project addresses unscreened, impassable irrigation water diversions that serve an inefficient irrigation system. Major tasks include the installation of a fish screen, fish passage structure, mini-pivot irrigation systems, and riparian restoration. The irrigation diversion structures currently block access to approximately 1.2 miles of rearing habitat. The project site include a springbrook waterway known as Cabin Creek and Dry Creek, a tributary to the Yakima River, providing rearing habitat for Spring Chinook.							
	Benefit to Salmon:	Med	Provides spring Chinook juveniles and resident trout access to about 1.2 mi of rearing habitat. Project will consolidate 3 unscreened diversions into 1 diversion and screen it, eliminating entrainment mortality. In the future, steelhead and coho juveniles may use the habitat. The quality of upstream habitat unknown, but in photos it appears to have channels with little riparian or in-stream habitat complexity. No apparent water saving for instream flow. There are other significant limiting factors not being addressed, such as lack or riparian function. The benefits could be even greater if the project would have included an aggressive riparian restoration component.					
	Certainty of Success:	High	The technology is established to success and is in the proper sequence	fully accomplish planned project. The project is consiste	ent with their limiting	factors analysis		
	Project Com	ments:						

4 of 13	Description: The Yakima County Dept. of Corrections (YCDOC) is currently providing tools, transportation and labor for riparian restoration work at priority stream sites in Yakima County. Inmate crews provide dependable, low cost labor that is available year round to start, service and maintain projects located of the Yakima River and tributaries. This request is to enhance service for the existing project sites and to restore new high priority sites. Since 2001, YCDOC						
	has worked at 14 rip	arian sites and planted 390 plants and 7,382 trees.					
	Benefit to <b>High</b> Salmon:	Provides low-cost labor to plant, monitor and maintain riparian vegetation and install exclusion fences. Depending on where this effort i directed, this could be an efficient way to implement this component of habitat restoration in the basin. Addresses significant limiting factor for Yakima basin.					
	Certainty of Med Success:	Mechanism to direct work of crew is informal and appears to lack prioritization and focus. Site identification is dependent on other funding.					
	1 -	: Labor pool seems to always be sufficient. Good learning experience for participants. Lead Entity or other responsible organization edures to ensure efforts are directed when and where they are needed to benefit salmonids.					
5 of 13	02-1614 C Cowiche Canyon Conservancy Snow Mtn Ranch Acq & Barrier Removal 670,000 120,000  Description: This project proposes to acquire two parcels of the Snow Mountain Ranch (~312 acres) that encompass the South Fork Cowiche Creek (tributary to the Naches River), its floodplain, associated wetlands, and the ranch's irrigated ag lands. This project will implement riparian and floodplain restoration, fish barrier removal, and instream flow improvements. The removal of the fish barrier will open access to the rest of the Cowiche Basin (20+ miles) for juvenile and adult Steelhead, Coho, and Chinook. The Yakima River Basin Watershed Assessment states, "The Cowiche Creek system is considered to have good to excellent rearing habitat with adequate cover, especially in the South Fork." The Northwest Power Planning Council Salmon and Steelhead Production Plan (1990) discusses other habitat factors in Cowiche Creek noting, "Riparian vegetation is dense along most reaches; stream banks are stable and there are sufficient spawning gravels." Pools and riffles are also relatively abundant on the South Fork of Cowiche Creek. The Yakima Basin Limiting Habitat Factors Analysis reported, "Cowiche Creek as having major steelhead and coho production potential, minor spring chinook production potential."						
	Benefit to <b>High</b> Salmon:	Acquisition and restoration of riparian and floodplain function on South Fork Cowiche Creek. Fish barrier on property will be removed. Property also includes water rights that will return 1/2 cfs to stream. Barrier removal will provide access to 20 miles of upstream habitat Will reestablish beaver use in valley. Steelhead and coho will likely spawn/rear in reach and spring Chinook may use it or rearing. Project site is adjacent to WDFW-owned property.					
	Certainty of High Success:	area represents "new" production area for anadromous fish.					
	_	: Downstream end of stream goes dry in late summer. Two downstream barriers are being addressed in 2003. Will require time for m past farming practices.					
of 13	02-1617 P	Yakama Nation Lower Naches Critical Habitat Protection 201,484 65,010					
	critical rearing habita Continue to purchas	project will protect approximately 71 acres of floodplain along a priority reach of the Naches River, just west of Yakima, which provides at for Bull Trout, Chinook, Coho and Steelhead. This project will protect key areas from future development. Project objectives include: 1 e sites that have already been appraised; 2) Prioritize additional high priority sites for protection; and, 3) Promote resource management in the Yakama Nation and Yakima County.  Purchase of productive floodplain habitat in lower Naches will provide primarily rearing habitat for spring Chinook, coho, steelhead, and bull trout, and spawning habitat for spring Chinook and steelhead. Some water rights will come with properties. Located in stream reach where upwelling occurs, providing cool, clean water source.					
	Certainty of Med Success:	Habitat restoration will be necessary on some parcels. Good local participation.					
	Project Comments:	: Project management requires almost 3 FTEs, which seems high. Good monitoring effort for 3 years. Side-channel preferred eas for spring Chinook. Naches River would benefit from a comprehensive plan for restoration.					
7 of 13	02-1603 R Northwest Service Academy Lmmuma Creek Restoration Phase II 34,800 18,00 18,00 Description: The project proposal aims to restore Lmmuma Creek above the previous project by: 1) Continuing cattle exclusion fence one mile upstream (both sides) of Lmmuma Creek, 2) Removing noxious weeds, and 3) Planting native vegetation. This is Phase II and continues work for one mile upstream the Phase I project site, which was funded the last SRFB grant cycle. Lmmuma Creek provides spawning and rearing habitat for Chinook Coho, and Steelhead.						
	Benefit to <b>Med</b> Salmon:	Riparian exclusion fencing and planting will allow riparian restoration of 5,000 ft of Lmmuma Creek and will provide rearing habitat for spring Chinook and steelhead juveniles, possibly coho in the future. Extends upstream from similar project funded in Third Round SRFB grant cycle. Will help address sediment TMDL for Yakima.					
	Certainty of Med Success:	Riparian exclusion does not address all habitat issues in Lmmuma Creek. Flows intermittent but may be improved by long term riparia recovery. Project is dependent on Dept. of Defense to protect habitat upstream. One of few tributary streams in this canyon reach of the Yakima River.					
	Project Comments:	: Stream highly degraded/abused for long time. Full habitat recovery will be slow.					
3 of 13	remove an existing fi system, 4) restore th	Ellensburg Water Company   Currier Crk/EWC Canal Intersection   322,000   102,53   Currier Creek/Ellensburg Water Company Canal Intersection project will siphon the EWC main canal under Currier Creek, and will 1) ish barrier, 2) eliminate the intermingling of herbicide treated canal water and creek water, 3) eliminate fish entrainment in the canal ne creek channel to a more natural state, and 5) add a modern fish screen to the diversion. As lower barriers are removed, Chinook, Coh ain access to this moderate to high quality habitat for rearing and spawning purposes.					
	Benefit to <b>Low</b> Salmon:	Primarily resident fish at this project, but anadromous use may occur in future as barriers are removed downstream. Creek habitat is in poor condition due to lack of riparian function. Project eliminates co-mingling of canal and creek water.					
	Containt of Mod	Colorina to the color will assess to replace Document address described as a color of colors.					
	Certainty of Med Success:	Existing technology will correct problem. Does not address downstream passage issues. Project seems out of sequence.					

9 of 13	02-1495	R	Kittitas Co Conservation Dist	Upp Naneum Water Diversion & Delivery		464.016	482,74		
9 01 13				water diversions and inefficient water delivery systems, b	y combining the di				
				losing the water delivery ditches. The project is in the up					
	north of Eller	sburg,	and is dependent on numerous do	ownstream barriers being corrected to successfully resto	ore access for Chin	ook and Steelhe	ead.		
	Benefit to	Low	Benefits resident fish by combin	ning several diversions and screening into single point div	version, providing	PVC pipe for del	ivery system		
	Salmon:		•	ings that will go into trust for 10 years. Anadromous fish r t on downstream fish passage work.	may use area in fut	ture. The benefit	is to		
	Certainty of Success:	Med	Structural components are comr barriers exist downstream.	mon technology, but long term benefits still in question.	Sequencing may r	not be appropria	te. Many		
	Project Com	ments:							
10 of 13	02-1502	R	City of Yakima	Naches River Water Treatment		200,000	1,730,60		
			,	on on the Naches River to supply water to its Water Treat		, ,			
	Naches provi	ides crit	ical habitat for Steelhead, Bull Tro	ria for the protection of salmonids. Design, permitting an out, Coho and Spring Chinook. Note: Project was funder litional \$200K to make up difference.			•		
	Benefit to	Med	Project would screen intake for 0	City of Yakima's wastewater treatment plant, preventing	entrainment of iuv	enile spring Chi	nook.		
	Salmon:		steelhead, coho, and bull trout, a	and perhaps some adults. Plant currently diverts unscreative wapatox power project goes off-line in future.	•				
	Certainty of Success:	Med		Ily implement project but cost and design still in question et history. Changes in project design may limit full project		ncertainty of abili	ty to		
	_			Third Round SRFB grant cycle (Lead Entity ranked #6 of short. The City of Yakima is providing \$200K and reques		-	edium benefi		
11 of 13	02-1488	R	Meadow Springs Country Club	West Fork Amon Creek Fish Passage		179,913	213,46		
			•	n and wetland functions in West Fork (WF) Amon Creek b					
	Chinook, and	Steelh		instream structures, and improve water quality by deeper The reservoir and the upstream wetlands will provide ex pawning habitat.	•	•			
	Benefit to	Low	Amon Creek is a lower priority tr	tributary in the Yakima River basin. Provides access to h	nabitat that has cor	nstant high quali	ty spring		
	Salmon:		water (6 cfs). Habitat in golf cou observed in creek.	urse is degraded and requires extensive restoration. Co	ho adults and juve	nile coho and Cl	ninook		
	Certainty of Success:	Low	A number of habitat issues need	d to be addressed and maintained.					
	the proposals	Project Comments: The final 3 projects are in Amon Creek drainage. If this watercourse has the anticipated potential for salmonid production expressed in the proposals, a single basin-wide proposal, starting with the assessment, would be a better approach. That way you could develop a strong story for investing SRFB dollars into this somewhat unique basin, and have logical, sequential steps for project implementation.							
12 of 13	02-1474	N	City of Richland	Amon Creek Wasteway Study		106,250	18,75		
	Description: improve fish	The properties	roposed study of the Amon Creek e barriers and water quality impac	<ul> <li>Wasteway, located in Benton County, would assess the cts. The barriers have resulted in preventing Coho and Cand rearing areas within the Wasteway.</li> </ul>		entify restoration	n measures t		
	Benefit to Salmon:	Low	Fork and downstream due to ba	is entire Amon Creek watershed (including West Fork). C arrier culverts. Water quality impaired due to storm run-o fied as salmonid bearing stream.	•				
	Certainty of Success:	Med	•	tablished but, according to the TAG, this assessment do	es not address app	oropriate questic	ons and		
	_	<b>Project Comments:</b> Overall potential benefit for salmonids does not appear to be great. Availability of constant, high quality water source in attractive to restoration opportunities, but use by salmonids may be very limited. Need to develop a compelling case for expending money in this watercourse.							
13 of 13	02-1472	R	City of Kennewick	Lower Amon Culvert Removal & Replace		85,000	15,00		
	-		=	rts and replace with a 6' bottomless pipe arch to improve ne few natural small streams in Benton County with habit			ed in the Cit		
	Benefit to Salmon:	Low		eam appears limited and confined primarily to the West F e in lower Amon Creek. Passage problems arise during h t ranked above # 13?					
	Certainty of	Low	Straightforward culvert replacem	ment but project necessity and design details poorly deve	eloped.				
	Success:								